

Your Pathway to Success
THE POWER OF
CH  **ICE**

Klein ISD
High School
Course Catalog
2026-2027



Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Table of Contents

<u>Graduation Plan</u>	<u>3</u>
<u>Special Programs</u>	<u>4</u>
<u>Core Courses</u>	<u>5</u>
<u>STEM</u>	<u>59</u>
<u>Business & Industry</u>	<u>66</u>
<u>Public Service</u>	<u>113</u>
<u>Arts & Humanities</u>	<u>139</u>
<u>Multi-Disciplinary</u>	<u>157</u>
<u>Advanced Academics</u>	<u>158</u>
<u>College Programs</u>	<u>170</u>
<u>Course Fees</u>	<u>171</u>
<u>Course Index</u>	<u>180</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

For additional information, please visit <https://Kleinisd.net/programs>



Graduation Plan

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

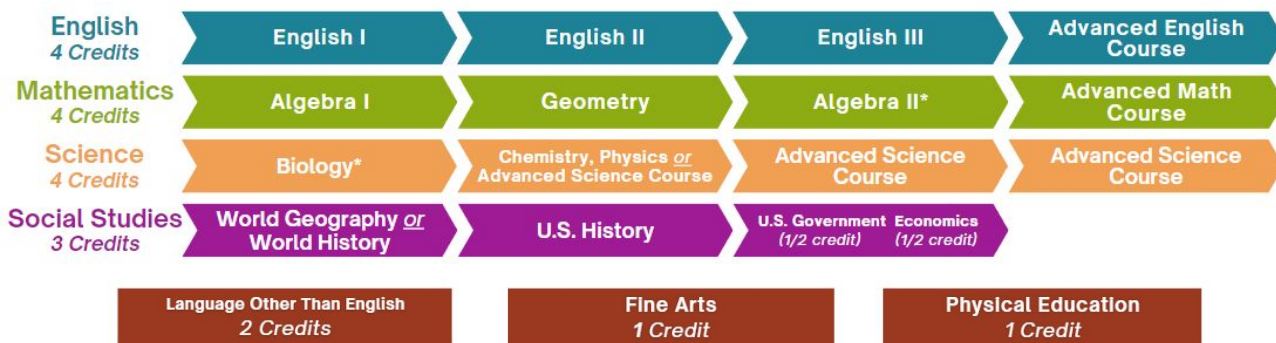
Foundation High School Graduation Plan

with a distinguished level of achievement & 1 Endorsement (26 Total Credits)

The Foundation High School Graduation Plan with a distinguished level of achievement & 1 Endorsement is the default graduation program for Klein ISD students. Students create their graduation plan as eighth graders during course selection prior to entering 9th grade.

Required Courses

Required credits include English, Mathematics, Science, Social Studies, Languages Other Than English, Physical Education, Fine Arts, Electives, Endorsement specific courses, & a demonstrated proficiency in Speech.



Endorsements

Endorsements are a series of courses grouped together by interest or skill. They provide students with in-depth knowledge of a subject area. Students entering 9th grade must choose an endorsement to follow, but may change or add an endorsement at any time. When students complete Klein ISD Programs, 1 or more endorsement is automatically part of their coursework. **Endorsements include Arts & Humanities, Business & Industry, Multidisciplinary Studies, Public Service, and/or Science, Technology, Engineering & Mathematics (S.T.E.M.).**

End of Course Exams

STAAR end-of-course exams are state mandated tests given during the final weeks of a course. In addition to meeting graduation course requirements, students are required to pass five end-of-course exams to earn a diploma from a Texas public high school. Those five exams are given when a student takes English I and II, Biology, Algebra I and U.S. History courses.

Distinguished Level of Achievement

Every student chooses a High School Graduation plan with a distinguished level of achievement.

By graduating at a distinguished level of achievement students are **eligible** for

- Top 10% automatic admissions at Texas public universities
- Certain financial aid including the TEXAS Grant Program & the Texas Educational Opportunity Grant Program (*Must be financially qualified*)



Special Programs

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

DYSLEXIA AND RELATED NEEDS

The dyslexia referral, screening, evaluation and identification process is conducted in accordance with the guidelines outlined in the [Texas Dyslexia Handbook \(2021\)](#). Students identified as meeting the criteria as a student with dyslexia or a related disorder (such as dysgraphia) can be served through special education or Section 504 services. Students who qualify for dyslexia services are provided systematic, research-based interventions that align with the requirements outlined in the Texas Dyslexia Handbook (2018). Parents who believe that their child is experiencing difficulties with reading, writing or spelling, despite conventional instruction, should contact their child’s teacher or campus administrator regarding a request to consider an evaluation.

GIFTED AND TALENTED EDUCATION

The gifted/talented referral, assessment, and identification process is conducted in accordance with the guidelines outlined in the [Texas State Plan for the Education of Gifted/Talented Students \(En Espanol\)](#). Students in grades K-12 identified as gifted/talented perform at or show the potential for performing at a remarkably high level of accomplishment when compared to others of the same age, experience, or environment and receive instructional services within the classroom and in specialized advanced courses. Students who qualify for gifted/talented instructional services develop innovative products and sophisticated performances that reflect individuality and creativity and are targeted to an audience outside the classroom. Summaries of program services are provided to families quarterly. More information on [page 167](#).

SECTION 504

Section 504 services are provided to students with physical or mental impairments that substantially limit one or more major life activity. Eligibility is determined by a committee of persons with knowledge of the student, the evaluation data and service options. Students who qualify for Section 504 services receive accommodations and services through the general education setting, in accordance with the student Individual Accommodation Plan (IAP). These supports are intended to provide equal access and level the playing field, as compared to non-disabled peers. Course content for 504 students is not modified or changed. Parents who believe they have a child who may qualify for accommodations or services should contact their child’s school counselor or the campus 504 coordinator.

SPECIAL

EDUCATION

Special education services are provided to students who are eligible for services under IDEA as determined by an Admission, Review and Dismissal Committee (ARD). Eligibility is based on identified disabilities and the need for specially designed instruction that are required to meet individual student needs. Depending on the student needs, academic services may be provided through regular and/or special education. Specialized instruction is provided along a continuum and reviewed at least annually. The continuum could include

- Accommodation support.
- In Class Support;
- Modified Curriculum;
- Curriculum access through prerequisite skills.



Core Courses

<u>English Language Arts</u>	<u>6</u>
<u>Language Other Than English</u>	<u>19</u>
<u>Mathematics</u>	<u>30</u>
<u>Science</u>	<u>38</u>
<u>Social Studies</u>	<u>48</u>
<u>Physical Education</u>	<u>54</u>
<u>Other Electives</u>	<u>56</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



English Language Arts

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

ENGLISH 1

KISD #: 0111

Grades: 9

1 Credit

Prerequisite:

None

English 1, the introductory high school course, focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 1 Sheltered Instruction

KISD #: 0811

Grades: 9-12

1 Credit

Recommended Prerequisite: Counselor Approval

English 1 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) 1

KISD #: 0115

Grades: 9-12

1.0 Credit

Prerequisite:

Counselor Approval

The ESOL 1 course is designed for emergent bilingual students who are state category 1 and 2 and who have been enrolled in U.S. schools 3 years or less. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. ESOL 1 may be substituted for English 1. Students may also enroll in ELDA and/or Reading Sheltered. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 1 KLEIN PREP (KP)

KISD #: 0113Q

Grades: 9

1 Credit

Prerequisite:

KLEIN PREP Guidelines

English 1 KP is designed for students who excel in the language arts and are interested in enrolling in English AP courses in the future. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. The student will increase and refine critical reading and writing skills, communicate effectively through exposition, analysis, and argumentation, experience different genres to interpret a work's structure, style, theme, symbolism, imagery and tone and develop stylistic maturity. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 1 KLEIN PREP (KP)/GT

KISD #: 0117

Grades: 9

1 Credit

Prerequisite:

Meets district guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. These students are identified as performing or having the potential for performing at remarkably high academic levels through differentiated curriculum. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. The course emphasizes critical thinking skills and promotes creative, productive thinking. The student will increase and refine critical reading and writing skills, communicate effectively through exposition, analysis, and argumentation, experience different genres to interpret a work's structure, style, theme, symbolism, imagery and tone and develop stylistic maturity. GT services are provided through the KLEIN PREP classes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes



ENGLISH 1 HUMANITIES GT

KISD #: 0144GT

Grades: 9 **1 Credit**

Prerequisite: **Identified Gifted Learner**

This course will offer identified gifted/talented students a rigorous curriculum meant to challenge and empower our most advanced learners. This course is not “worksheet-based”, but rather “Socratic and creative” in nature. Through the examination of psychology, philosophy, history, literature, language, science, and culture, this course explores sub-disciplines of the humanities, so that student-thinkers are able to analyze texts and ideas deeply and meaningfully. Discussion and discourse will be the norm for this course. This course aims to build the foundation needed to succeed in future ELA courses and expose students to high-level critical thinking. This course will better prepare our students for high-stakes exams like the PSAT, SAT, ACT and AP exams.

ENGLISH 1 HUMANITIES KP

KISD #: 0144Q

Grades: 9 **1 Credit**

Prerequisite: **Teacher Recommendation**

This course will offer students a rigorous curriculum meant to challenge high performing English Language Arts students. This course is not “worksheet-based”, but rather “Socratic and creative” in nature. Through the examination of psychology, philosophy, history, literature, language, science, and culture, this course explores sub-disciplines of the humanities, so that student-thinkers are able to analyze texts and ideas deeply and meaningfully. Discussion and discourse will be the norm for this course. This course aims to build the foundation needed to succeed in future ELA courses and expose students to high-level critical thinking. This course will better prepare our students for high-stakes exams like the PSAT, SAT, ACT and AP exams.

ENGLISH 1 AND 2 PRE-IP (Klein Oak HS Only)

KISD #: 3470, 3472

Grades: 9-10 **1.0 Credit per year**

Prerequisite: **Acceptance in IB[®] Programme**

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ENGLISH 1 AND 2 PRE-IP (Klein Oak HS Only)

KISD #: 3470, 3472

Grades: 9-10

1.0 Credit per year

Prerequisite: Acceptance in IB[®] Programme

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 2

KISD #: 0121

Grades: 10

1 Credit

Prerequisite: English 1 or Counselor Approval

English II, builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 10th grade. This course continues to focus on writing experiences for a variety of audiences and forms, documented multi-paragraph compositions, identification of literary symbols, development of theme in a literary work, and the utilization of advanced/special reference materials. Through thematic units of study, the curriculum provides extensive practice in rhetorical writing integrated with the study of literature and the development of critical thinking. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 2 Sheltered Instruction

KISD #: 0821

Grades: 9-12

1.0 Credit

Prerequisite: None

English 2 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 2 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) 2

KISD #: 0125

Grades: 9-12

1.0 Credit

Prerequisite: Counselor Approval

The ESOL 1 course is designed for emergent bilingual students who are state category 1 and 2 and who have been enrolled in U.S. schools 3 years or less. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. ESOL 1 may be substituted for English 1. Students may also enroll in Reading Sheltered and/or ELDA. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 2 KLEIN PREP (KP)

KISD #: 0123Q

Grades: 10

1.0 Credit

Prerequisite: English I and KLEIN PREP Guidelines

English II-(KP) is designed for highly motivated students who excel in the language arts and are interested in studying a differentiated curriculum that includes a wider range and greater depth of subject matter. The course emphasizes critical thinking skills and promotes creative, productive thinking. Emphasis is placed on the development of advanced cognitive concepts and processes, guided and independent research, and the incorporation of student-determined ideas and interests. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes



ENGLISH 2 KLEIN PREP (KP)/GT

KISD #: 0126

Grades: 9-12

1.0 Credit

Prerequisite: Meets district guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. These students are identified as performing or having the potential for performing at remarkably high academic levels with a differentiated curriculum that includes a wider range and greater depth of subject matter that focuses on world literature. The course emphasizes critical thinking skills and promotes creative, productive thinking. Emphasis is placed on the development of advanced cognitive concepts and processes, guided and independent research, and the incorporation of student-determined ideas and interests. An extensive research project and focused interdisciplinary units evolve from student interests and input. GT services are provided through the KLEIN PREP classes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 2 GT Humanities

KISD #: 0124GT

Grades: 10

1.0 Credit

Prerequisite: Meets district guidelines

This course continues to provide our gifted/talented and most advanced learners with a rigorous and engaging curriculum that goes beyond traditional worksheet-based learning. Instead, it fosters a Socratic and creative environment where students delve deeper into the realms of psychology, philosophy, history, literature, language, science, and culture. English II GT Humanities is designed to be interdisciplinary, encouraging students to explore various sub-disciplines of the humanities.

This course is designed to: Engage in interdisciplinary exploration, refine critical thinking and analysis skills, strengthen research capabilities, prepare for high-stakes exams and future academic endeavors, and receive continuous support tailored to advanced learners.

Advanced Grade Points: Yes

ENGLISH 2 HUMANITIES KP

KISD #: 0124Q

Grades: 10

1 Credit

Prerequisite: Meets District Guidelines

This course will offer advanced ELAR students' continued rigorous exploration in alignment with the English 1 Humanities Course for our most advanced learners with an engaging literature-based curriculum that goes beyond traditional worksheet-based learning. Instead, it fosters a Socratic and creative environment where students delve deeper into the realms of psychology, philosophy, history, literature, language, science, and culture. English II GT Humanities is designed to be interdisciplinary, encouraging students to explore various disciplines of the humanities. This course is designed to: engage in interdisciplinary exploration, refine critical thinking and analysis skills, strengthen research capabilities, prepare for high-stakes exams and future academic endeavors, and receive continuous support tailored to advanced learners. This course will prepare students for success in Advanced Placement and International Baccalaureate and other college credit courses.

Advanced Grade Points: Yes

COMMUNICATIONS APPLICATIONS

KISD #: 0189

Grades: 9-12

.5 Credit

Prerequisite: None

Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes.

COMMUNICATIONS APPLICATIONS SHELTERED INSTRUCTION

KISD #: 0189S

Grades: 9-12

.5 Credit

Prerequisite: Counselor Approval

Communications Applications Sheltered Instruction is designed to support emergent bilingual students. Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes. This course will have an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content for emergent bilingual students.



COMMUNICATIONS APPLICATIONS DUAL CREDIT

KISD #: 0189DC

Grades: 9-12 .5 Credit

Prerequisite: Meets district guidelines

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. Students will apply the principles of human communication including perception, verbal communication, nonverbal communication, listening, and audience analysis. **Students enrolled in this course are expected to purchase the required textbook.**

Advanced Grade Points: Yes

Dual Credit Correlation: SPCH 1311

ORAL INTERPRETATION 1

KISD #: 0160

Grades: 9-12 1 Credit

Prerequisite: Public Speaking 1 or Communications Applications and Sponsor Approval or Speech 7/8 and Sponsor Approval

Oral Interpretation I is designed for the student who wishes to explore and learn the fundamental concepts and skills of oral interpretation. The curriculum focuses on the following: exploration of interpretive reading and of potential literary selections; analysis of literary merit including qualities of universal appeal and uniqueness of literary works; determination of literary meaning including emotional impact and preferred styles of authors and literary types; the role of the interpreter in recreating the intellectual, emotional, and aesthetic aspects of literary works; selection of literature according to nature of audience and personal preferences; analysis of literature including author's purpose, structure, and style; performance techniques including use of voice and body; adaptation of literature to preserve the author's intent, form and style; performance of literature in individual and group presentations; and, criteria for evaluating interpretation techniques and audience reaction.

ORAL INTERPRETATION 2

KISD #: 0161

Grades: 10-12 1 Credit

Prerequisite: Oral Interpretation 1 and Sponsor Approval

Oral Interpretation 2 further expands and refines the course objectives outlined in the Oral Interpretation 1 curriculum. This course is designed for the student who wishes to participate in the practical application of oral interpretation skills through competitive speech tournament events.

ENGLISH 3

KISD #: 0131

Grades: 11 1.0 Credit

Prerequisite: None

English III further expands and refines language arts concepts and skills introduced in English III. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.



ENGLISH 3 Sheltered Instruction

KISD #: 0831

Grades: 11-12

1.0 Credit

Prerequisite:

Counselor Approval

English 3 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 3 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. English III further expands and refines language arts concepts and skills introduced in English III. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.

ADVANCED PLACEMENT® ENGLISH LANGUAGE AND COMPOSITION

KISD #: 0135

Grades: 11

1.0 Credit

Prerequisite:

No prerequisites

The AP® English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. **Open enrollment. Students enrolled in this course must take the AP® exam (fee required) to earn college credit.**

Advanced Grade Points: Yes

ENGLISH 3 DUAL CREDIT

KISD #: 0131DC

Grades: 11

1.0 Credit

Prerequisite:

Meet district guidelines

Study and practice in the writing process, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Study and practice of strategies and techniques for developing research based expository and persuasive texts. Emphasis on primary and secondary research methods. **Course fee and Star bundle textbook fee required. Students must earn a minimal score on the TSIA exam prior to enrollment in the course.**

Dual Credit Correlation: ENGL 1301 and 1302

ENGLISH 3 DUAL CREDIT MCMURRY

KISD #: 0131DCAM

Grades: 11

1.0 Credit

Prerequisite:

Meet district guidelines

This course helps students build strong writing skills through guided practice and personalized support. In these small, workshop-style classes, students learn how to express their ideas clearly and confidently. They also explore and discuss a variety of literary works—including poetry, plays, and short stories—to strengthen their reading and analytical skills. **Course fee required. Students must have counselor or principal recommendation to enroll.**

Dual Credit Correlation: ENGL 1301 and 1302

INTERNATIONAL BACCALAUREATE® LANGUAGE & LITERATURE HL1 & HL2 (Klein Oak HS Only)

KISD #: 3404HL1, 3404HL2

Grades: 11-12

1.0 Credit per year

Prerequisite:

Advanced English 1 and 2 or Acceptance into IB programme

The IB Language & Literature courses focus on the rigorous academic demands of an International Baccalaureate® Higher Level course. This two-year, intensive study of English language and literature develops students' analytical abilities and creative powers of expression, both in oral and written communications. Students learn techniques to analyze literary passages, drawn from prose and poetry, representative of a variety of historical literary periods. Students engage in daily formal and/or in formal writing tasks including free writing, response journals, dialectical journals, essays, abstracts, critiques and commentaries. They practice public speaking, engaging in the critical and constructive exchange of ideas through oral presentations, class discussions, panel discussions, as well as informal and/or informal debates. This course culminates in the completion of the IB Language & Literature assessment in May of the student's 12th grade year. **Students enrolled in this course must take the IB® exam (fee required) to earn college credit.**

Advanced Grade Points: Yes



ENGLISH 4

KISD #: 0141

Grades: 12 1.0 Credit

Prerequisite: None

English IV further expands and refines language arts concepts and skills studied in English 3. Additionally, this course focuses on the following: using each of the commonly recognized patterns of organization; achieving precision in meaning through sophisticated language and rhetorical choices; analysis of ideas and logic in written discourse; use of sophisticated and precise word choices; origin and development of the English language; recognition of major authors, periods, forms, and works in British literature; recognition of recurring themes in literary selections; recognition of the devices of propaganda; analysis of the presentation of ideas in written discourse, including forms of logical reasoning, common fallacies of reasoning, and techniques of persuasive language; and, the development of generalizations formulated from a given series of assumptions. Through integrated units of study, the curriculum promotes awareness/understanding of abstract concepts and practical application of fundamental skills.

ENGLISH 4 Sheltered Instruction

KISD #: 0842

Grades: 12 1.0 Credit

Prerequisite: Counselor Approval

English 4 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 4 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. English III further expands and refines language arts concepts and skills introduced in English 4. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.

ADVANCED PLACEMENT® ENGLISH LITERATURE AND COMPOSITION

KISD #: 0145

Grades: 12 1.0 Credit

Prerequisite: None

The AP® English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. **Open enrollment. Students enrolled in this course must take the AP® exam (fee required) to earn [college credit](#).**

Advanced Grade Points: Yes

ENGLISH 4 DUAL CREDIT

KISD #: 0141DC

Grades: 12 1.0 Credit

Prerequisite: Meet district & Lone Star College guidelines

A survey of development of British literature from the Anglo-Saxon period to the 18th Century and from the Romantic period to present. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. **Course fee and Star bundle textbook fee required. Students must earn a minimal score on the TSIA exam prior to enrollment in the course.**

Advanced Grade Points: Yes

Dual Credit Correlation: ENGL 2322 and 2323



TRANSITION TO COLLEGE ENGLISH

KISD #: 0501

Grades: 12 1.0 Credit

Prerequisite: Meets district guidelines

The focus of the course will be on applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, and length of the assignment. This course is designed to prepare students for college level reading and writing courses. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of academic essays. Students will learn to (1) write logical and effective essays; (2) utilize textual support to develop reading comprehension strategies; and (3) analyze, synthesize and make value judgments using critical thinking.

Independent Study in English Klein Prep (KP) or Gifted and Talented

KISD #: 0148, 0149

Grades: 10-12 1.0 Credit

Prerequisite: concurrent with an English course

Independent Study in English is designed for gifted and high-achieving students who wish to pursue independent study and research in an English-related area or field of interest. The curriculum includes various activities designed by both the student and the instructor. The learning is focused on independent research addressing individual student interests and the production of advanced and or sophisticated products assessed by an expert in the field. Potential students must submit a plan of study that is subject to approval by the English department chairperson. Students are assigned to a class period each day conducted by the consulting teacher who will monitor the progress of the project, prepare progress reports, and complete critical evaluations.

Advanced Grade Points: Yes

English Language Development and Acquisition I (ELDA 1)

KISD#: 0850

Grades: 9-12 1.0 Credit

Prerequisite: Counselor Approval

This state credit elective course is designed for newcomer students in their first three years in U.S. schools. This course enables the student to become increasingly proficient in English in all four language domains. These students have scored beginning language level on the state-approved English oral language proficiency tests. This must be taken concurrently with a corequisite language arts course such as ESOL 1 or ESOL 2.

English Language Development and Acquisition 2 (ELDA 2)

KISD#: 0851

Grades: 9-12 1.0 Credit

Prerequisite: ELDA 1 or Counselor Approval

This state credit elective course is designed for newcomer students in their first three years in U.S. schools. This course enables the student to become increasingly proficient in English in all four language domains. These students have scored beginning language level on the state-approved English oral language proficiency tests. This must be taken concurrently with a corequisite language arts course such as ESOL 1 or ESOL 2. ELDA 1 is a prerequisite for this course.



READING 1

KISD #: 0197, 0198, 0197D (dyslexia), 0198D (dyslexia), 0201D (dyslexia)

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 1 is designed for students reading one to two years below their assigned grade level, who have been identified with dyslexia and require dyslexia intervention services and/or students who have failed the state assessment reading test. Individual diagnosis of student need determines the appropriate course of study. General areas of the instruction include the following: word attack skills, including structural analysis and contextual clues. vocabulary development, including the use of advanced and specialized dictionaries; general developmental comprehension skills; and, reading skills, including fluency and comprehension, applied to a variety of practical situations that are cross-curricular. Emphasis is on recognition and development of individual learning style and overall improvement of reading skills to ensure that high school students have an opportunity to read with competence, confidence, and understanding. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation. **Note: THIS COURSE IS REQUIRED FOR THOSE WHO DID NOT MEET THE STANDARD ON THE EIGHTH OR NINTH GRADE STATE ASSESSMENT READING TEST.**

READING 2

KISD #: 0201, 0201D (dyslexia)

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 2 is designed for students who have taken Reading 1 and could benefit from reinforcement of fluency word attack skills, vocabulary development, comprehension skills, and reading skills applied to a variety of practical situations. This course is also designed for students who have been identified with dyslexia and required dyslexia intervention services. Emphasis is on recognition and development to individual learning style and overall improvement of reading skills. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation.

READING 3

KISD #: 0205

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 3 is designed for students who have taken two years of reading and could benefit from a third year of reading to reach English proficiency. Skills addressed in Reading 1 and Reading 2 will be reinforced. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation.

READING ELECTIVE

KISD #: 0204

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

The reading elective course is designed to assist and instruct the non-proficient reader who has had difficulty in learning to read. In addition, the course is designed to provide appropriate instructional strategies for students who have been identified as dyslexic or are at risk for dyslexia. Though this course is structured to include the Texas Essential Knowledge and Skills, the primary emphasis is on the following: use of a variety of word recognition strategies; vocabulary development through reading and systematic word study; reading with fluency and understanding in increasingly demanding texts; and comprehension strategies and skills to gain meaning from whatever is read.

READING 1 SHELTERED INSTRUCTION

KISD #: 0198

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 1 Sheltered offers students reading instruction to successfully navigate academic demands as well as attain lifelong literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas. This course could be taken concurrently with ESOL 1 or English 1 Sheltered.



READING 2 SHELTERED INSTRUCTION

KISD #: 0298

Grades: 9-12

.5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 2 Sheltered offers students reading instruction to successfully navigate academic demands as well as attain lifelong literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency, providing students an opportunity to read with competence, confidence, and understanding. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas. This course could be taken concurrently with ESOL 2 or English 2 Sheltered.

CREATIVE AND IMAGINATIVE WRITING

KISD #: 0146

Grades: 11-12

1.0 Credit

Prerequisite: STAAR Commended Performance

Advanced Grade Points: YES

Creative/Imaginative Writing is designed for students who enjoy writing and are interested in producing original work. The course focuses on the principles of creative writing and producing original work with emphasis on stylistic techniques such as the use of figurative language and other literary devices and various organizational models used for the development of text structure. Emphasis is placed on the production of original works that afford the student the opportunity to develop an individual style of writing. Procedures for submitting original works for publication are included in this course.

PRACTICAL WRITING SKILLS

KISD #: 0170, 0172

Grades: 11-12

.5 -1.0 Credit

Prerequisite: Counselor Approval

Practical Writing Skills is designed for the student who has demonstrated a need for more intensive, targeted instruction in writing. The course includes instruction in techniques of effective writing for both practical and test situations, including STAAR. Each student's writing will be evaluated, and emphasis will then be placed on the interventions that are necessary in

in order for the student to succeed when writing is a requirement. This course will include activities that will enable the student to learn to write effectively when required to complete applications, orders, memos, notes, and the like. The final assessment of the course will include a post-test that will provide data regarding student progress regarding effective writing skills. THIS COURSE IS REQUIRED FOR THOSE STUDENTS WHO DID NOT MEET THE STANDARDS ON THE WRITING COMPONENT OF THE STATE ASSESSMENT.

PRACTICAL WRITING SKILLS SHELTERED INSTRUCTION

KISD #: 0172S

Grades: 11-12

.5 -1.0 Credit

Prerequisite: Counselor Approval

Practical Writing Skills Sheltered Instruction is designed to support emergent bilingual students who have demonstrated a need for more intensive, targeted instruction in writing. The course includes instruction in techniques of effective writing for both practical and test situations, including STAAR. Each student's writing will be evaluated, and emphasis will then be placed on the interventions that are necessary in order for the student to succeed when writing is a requirement. This course will include activities that will enable the student to learn to write effectively when required to complete applications, orders, memos, notes, and the like. The final assessment of the course will include a post-test that will provide data regarding student progress regarding effective writing skills. This course will have an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content for emergent bilingual students.

ORAL INTERPRETATION

KISD #: 0162

Grades: 11-12

1 Credit

Prerequisite: Oral Interpretation 2

This course is specifically designed for the highly motivated, advanced oral interpretation student who wishes to perfect performance skills through participation in top-level competitive speech tournament events. Additionally, the course curriculum includes a general survey of and comparison between high school and college competitive speech events and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes.



DEBATE 1

KISD #: 0163

Grades 9-12

1 Credit

Prerequisite: Public Speaking 1, Public Speaking 2, or Communication Applications and Sponsor Approval

Debate 1 is designed for the student who wishes to explore and learn the fundamental concepts and skills of debate. The curriculum focuses on the following general elements of debate: formats and forums for debate; processes of logic and critical thinking; reading and researching information from diverse sources and materials; development of single-issue briefs; exploration of resolutions through definition, potential issues, use of "should," and unique requirements of value and fact topics; affirmative and negative case construction; process of cross-examination as witness, questioner, or auditor; oral, aural, and written evaluation of arguments; and, the presentation of debate through reading, writing, listening, speaking, and analyzing competitive tournament debating

DEBATE 2

KISD #: 0164

Grades: 9-12

1 Credit

Prerequisite: Debate and Sponsor Approval

Debate 2 further expands and refines the course objectives outlined in the introductory Debate 1 course. This course is designed for the student who wishes to participate in practical applications of debate skills through competitive debate events.

DEBATE 3

KISD #: 0165

Grades: 11-12

1 Credit

Prerequisite: Debate 2

Debate 3 further expands and refines the course objectives outlined in the Debate 1 and 2 curricula. This course is specifically designed for the highly motivated, advanced debater who wishes to perfect debate skills through participation in top-level competitive debate events. Additionally, the course curriculum includes a general survey of and comparison between high school and college debate techniques.

JOURNALISM 1

KISD #: 0150

Grades: 9-12

1 Credit

Prerequisite: Mastery of State Writing Assessment

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff. This course is also listed in the CTE/Technology Applications pages of the course guide.

PHOTOJOURNALISM

KISD #: 0158

Grades: 9

0.5 Credit

Prerequisite: Sponsor Approval

Photojournalism combines the art of photography with the story-telling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. **Students are required to provide their own non-automatic, DSLR camera.** This course is also listed in the CTE/Technology Applications pages of the course guide.

YEARBOOK 1

KISD #: 0191

Grades: 10-12

1 Credit

Prerequisite: Journalism 1 or Photojournalism and/or Sponsor Approval

In Advanced Journalism: Yearbook 1, students will work as a team to create a yearbook. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.



English Language Arts

YEARBOOK 2

KISD #: 0192

Grades: 11-12

1 Credit

Prerequisite: **Advanced Journalism: Yearbook 1 and Sponsor Approval**

In Advanced Journalism: Yearbook 2, students will work as a team to create a yearbook. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students are expected to increase involvement and responsibility on staff. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

YEARBOOK 3

KISD #: 0193

Grades: 12

1 Credit

Prerequisite: **Advanced Journalism: Yearbook 2 and Sponsor Approval**

In Advanced Journalism: Yearbook 3, students will work as a team to create a yearbook. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Advanced Grade Points: Yes

News Media 1

PRODUCTION 1

KISD #: 0194

Grades: 10-12

1 Credit

Prerequisite: **Journalism 1 or Photojournalism and/or Sponsor Approval**

In Advanced Journalism: Newspaper Production 1, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

News Media 2

KISD #: 0195

Grades: 11-12

1 Credit

Prerequisite: **Advanced Journalism Newspaper Production 1 and Sponsor Approval**

In Advanced Journalism: Newspaper Production 2, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



News Media 3

KISD #: 0196

Grades: 12

1 Credit

Prerequisite: **Advanced Journalism Newspaper Production 2 and Sponsor Approval**

In Advanced Journalism: Newspaper Production 3, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Advanced Grade Points: Yes

INDEPENDENT STUDY OF JOURNALISM

KISD #: 0156, 0157, 0159

Grades: 12

1 Credit

Prerequisite: **Sponsor Approval and completion of Advanced Journalism**

Independent Study/Journalism is for editors of the yearbook or newspaper. Students work collaboratively to plan deadlines, layout and content ideas for their designated publication. This course is also listed in the CTE/Technology Applications pages of the course guide.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

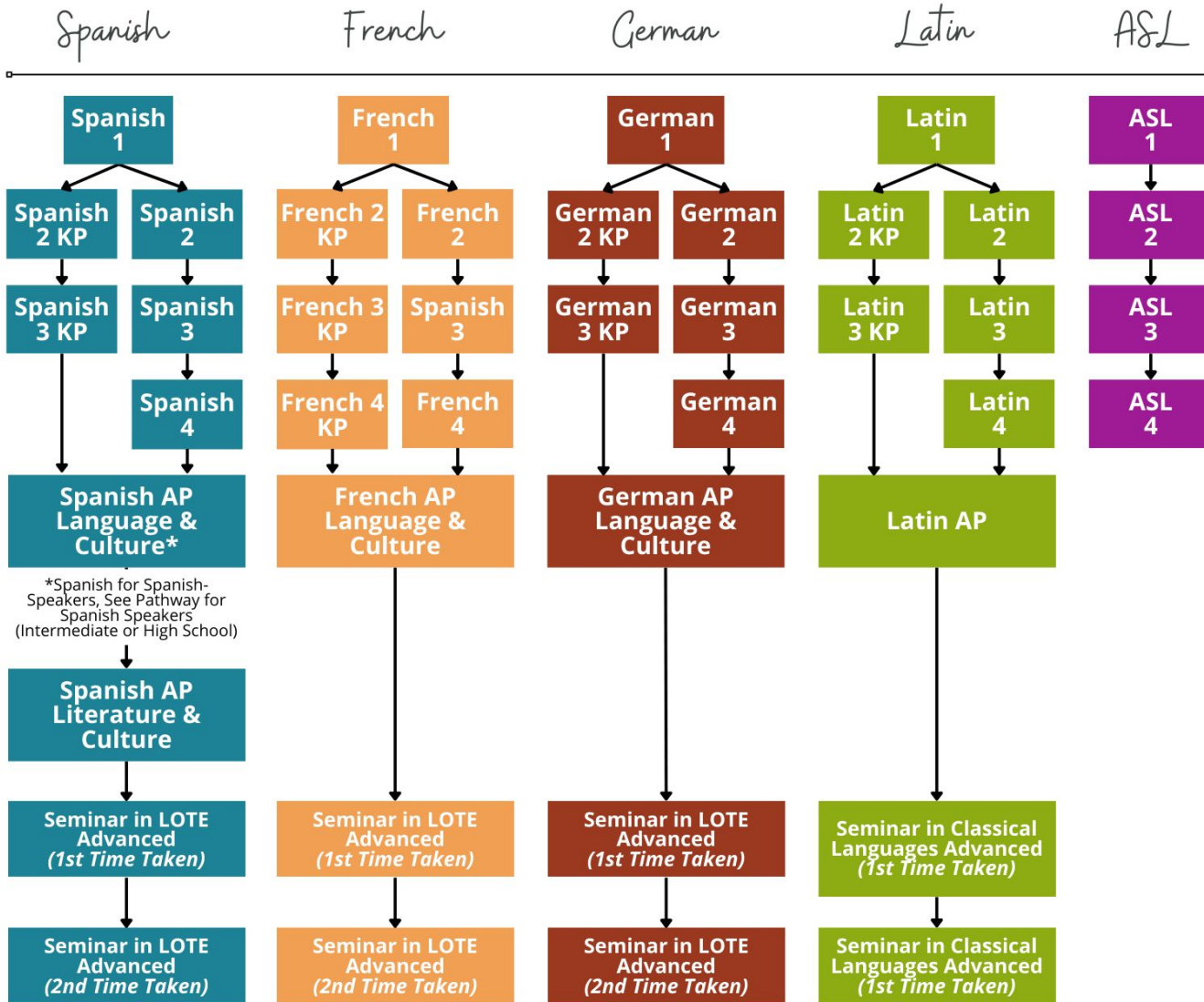
College programs

Course Fees

Index



Languages Other Than English



Students should take **two levels of the same foreign language** to meet the requirements for the Foundation High School Program.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

AMERICAN SIGN LANGUAGE (ASL) I

KISD #: 2641

Grades: 9-12 1 Credit

Prerequisite: None

This course introduces the fundamental elements of American Sign Language within a cultural context. Emphasis is placed on the development of basic expressive and receptive skills. Upon completion, students will be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness.

AMERICAN SIGN LANGUAGE (ASL) II

KISD #: 2642

Grades: 9-12 1 Credit

Prerequisite: ASL 1

This course is a continuation of ASL 1 focusing on the fundamental elements of American Sign Language in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills. Upon completion, the students should be able to comprehend and respond with increasing accuracy to expressive American Sign Language and demonstrate cultural awareness.

AMERICAN SIGN LANGUAGE (ASL) III

KISD #: 2643

Grades: 9-12 1 Credit

Prerequisite: ASL 2

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

MODERN LANGUAGES AND CHINESE: CHINESE, FRENCH, GERMAN AND SPANISH

Level I

Grades: 9-12 1 Credit

Prerequisite: None

The goal of the study of beginning levels in modern languages is communicative competence. This course will introduce students to the language and will develop novice-level proficiency in speaking, listening, reading, and writing. At the end of this course, students will be expected to reach a Novice mid-Novice high proficiency level and will be able to engage in simple conversations within the limits of practiced vocabulary and structure. Students will also gain perspective and insight into the cultures of the countries where the language is spoken. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Level II

Grades: 9-12 1 Credit

Prerequisite: Level 1 or placement test

Level II provides opportunities to further develop proficiency in speaking, listening, reading, and writing. Emphasis is placed on expanding accuracy in vocabulary and structures and on broadening knowledge of cultural understanding. At the end of the course, it is expected that students will reach a Novice-high to Intermediate-low proficiency level.

Level III

Grades: 9-12 1 Credit

Prerequisite: Level 2 or placement test

Level III courses will provide opportunities to develop intermediate language proficiency in listening, speaking, reading, and writing. By the end of the course, students will have adequate control of basic structural patterns and will be able to express themselves adequately. Students will also have a stronger understanding of the language and its cultural perspectives. Students will be expected to reach an Intermediate-low to Intermediate-mid proficiency level.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Level IV

Grades: 9-12 **1 Credit**

Prerequisite: Level 3 or placement test

Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High, as defined in the ACTFL Proficiency Guidelines 2012 and the ACTFL Performance Descriptors for Language Learners. Which means, students at the Intermediate Mid proficiency level express meaning in straightforward and personal contexts by easily combining and recombining what they know, what they read, and what they hear in short statements and a mixture of sentences and strings of sentences. Intermediate Mid students are able to understand some information from connected statements in oral or written sources. Intermediate Mid students are generally understood by listeners and readers accustomed to dealing with language learners. Intermediate Mid students are consistently successful when performing Intermediate-level tasks.

ADVANCED PLACEMENT® LANGUAGE LEVEL IV

Grades: 12 **1 Credit**

Prerequisite: Level 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in the target language. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Language courses. Classes are conducted in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee.

Advanced Grade Points: Yes

Seminar in Languages Other Than English, Advanced- French, German, Spanish, Chinese

NEW

Grades: 10-12 **1 Credit**

Prerequisite: AP Courses

This course is designed for students who are at a minimum performance level of Intermediate Mid to Advanced High on the American Council on the Teaching of Foreign Languages (ACTFL) scale. All products and presentations must be in the target language as the course shall be conducted exclusively in the target language. The student enrolled in a seminar course in a modern language will focus on a specialized area of study such as the work of a particular author, genre, or topic. The student will speak, write, read, and listen, as appropriate, in the target language for a variety of audiences and purposes. The student is expected to plan, draft, and complete written compositions as well as oral presentations on a regular basis and carefully examine his or her papers and presentations for clarity, engaging language, and the correct use of the conventions and mechanics of the target language as applicable. The student will be required to create and present a comprehensive portfolio.

INTERMEDIATE SPANISH FOR NATIVE SPEAKERS (1)

KISD #: 2596Y

Grades: 9-12 **1 Credit**

Prerequisite: Placement Test

Spanish for Spanish Speakers 1 is designed for the student who has an ability to understand and speak Spanish. The emphasis of the instruction will be to expand the student's existing oral proficiency through focus on grammatical concepts and to develop the skills of reading and writing in Spanish so they can communicate more successfully in social and business situations.

Advanced Grade Points: No

ADVANCED SPANISH FOR NATIVE SPEAKERS (2/ 3)

KISD #: 2598 and 2592

Grades: 9-12 **2 Credits**

Prerequisite: Intermediate Spanish for Spanish Speakers or placement test

This course is designed for students who have successfully completed Intermediate Spanish for Spanish Speakers (or those placed by testing). The emphasis of the instruction will be to expand the students' speaking and listening skills; and will be conducted solely in Spanish. Students will also read authentic texts in Spanish and use them as the basis for literary and grammatical analysis, as well as cultural and historical studies. The emphasis will be to further the student's oral proficiency and to continue the development of skills in reading and writing using contemporary literature. Semester 2 is designed for students with a high level of proficiency in the language. ***Students must pass the first semester with a 70+ to be eligible for the second semester in the spring. Successful completion of both semesters will prepare students to take the Spanish IV AP course the following year.***

Advanced Grade Points: No



Languages Other Than English

SPANISH 1

KISD #: 2601

Grades: 9-12 1 Credit

Prerequisite: None

Spanish 1 is an introduction to the Spanish-speaking world, its language, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced holistically through both oral and written expression. The student will develop an understanding of Spanish culture.

SPANISH 1 KLEIN PREP (KP)

KISD #: 2601Q

Grades: 9-12 1 Credit

Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 2

KISD #: 2602

Grades: 9-12 1 Credit

Prerequisite: Spanish 1

Spanish 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

SPANISH 2 KLEIN PREP (KP)

KISD #: 2602Q

Grades: 9-12 1 Credit

Prerequisite: Spanish 1 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 2 Pre-IP (Klein Oak HS Only)

KISD #: 3490

Grades: 9-10 1 Credit

Prerequisite: Spanish 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 3

KISD #: 2603

Grades: 9-12 1 Credit

Prerequisite: Spanish 2

Level III Spanish classes are conducted in the language and provide opportunities to develop intermediate language proficiency in speaking, listening, reading and writing; so as to meet the ACTFL standards of proficiency in the language.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



SPANISH 3 KLEIN PREP (KP)

KISD #: 2604Q

Grades: 9-12 1 Credit

Prerequisite: Spanish 2 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the Spanish language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 3 Pre-IP (Klein Oak HS Only)

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1 and 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 4 Pre-IP (Klein Oak HS Only)

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1, 2, & 3 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® SPANISH LANGUAGE

KISD #: 2609

Grades: 9-12 1 Credit

Prerequisite: Spanish 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish and is for highly qualified students who excel in language study and are interested in accepting the challenges of a more rigorous instructional program. The Advanced Placement (AP) Spanish-Language course covers the equivalent of a third-year college course in advanced Spanish composition and conversation with emphasis on the development of advanced proficiencies. The course emphasizes language skills, composition, and grammar with emphasis on active communication with the following objectives: (1) the ability to comprehend formal and informal spoken Spanish; (2) the acquisition of vocabulary to allow reading of newspapers and magazines, and modern Spanish literature; (3) the ability to write well-organized essays; and, (4) the ability to express ideas orally with accuracy and fluency. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Spanish Language and Culture course. The Advanced Placement (AP) program is a co-operative effort with The College Board. The student will be prepared to take an examination upon which successful completion will enable participating colleges to grant credit and appropriate placement. The student is responsible for the examination fee. **Students enrolled in this course must take the AP® exam (fee required) to earn [college credit](#).**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® SPANISH LITERATURE

KISD #: 2600

Grades: 9-12 1 Credit

Prerequisite: AP Spanish Language or placement test

The AP® Spanish Literature course is designed to provide students with a learning experience equivalent to that of an introductory college course. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. Classes are conducted solely in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee. **Open enrollment. Students enrolled in this course must take the AP® exam (fee required) to earn [college credit](#).**

Advanced Grade Points: Yes



Languages Other Than English

INTERNATIONAL BACCALAUREATE® SPANISH Standard Level (Klein Oak HS Only)

KISD #: 3450 (accelerated course) or 3450SL1 & 3450SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 3, Pre-IP Spanish 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB Spanish SL exam in May. **Students enrolled in this course must take the exam (fee required) to earn college credit.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® SPANISH Higher Level (Klein Oak HS Only)

KISD #: 3451HL1 & 3451HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB Spanish HL exam in May. **Students enrolled in this course must take the exam (fee required) to earn college credit.**

Advanced Grade Points: Yes

CLASSICAL LANGUAGES: LATIN

LATIN 1

KISD #: 2631

Grades: 9-12 1 Credit

Prerequisite: None

This course serves as an introduction to the study of Latin as a classical language. Basic listening, speaking, reading, and writing skills are developed progressing toward a novice-mid level proficiency. Communication skills are the primary focus of language acquisition. At the end of Level I, students will be able to express themselves and engage in simple conversations in Latin within the limits of their knowledge of vocabulary and structure.

LATIN 1 KLEIN PREP (KP)

KISD #: 2631Q

Grades: 10-12 1 Credit

Prerequisite: Latin 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

LATIN 2

KISD #: 2632

Grades: 10-12 1 Credit

Prerequisite: None

This novice-mid to novice-high proficiency level course is a continuation of the novice-mid proficiency established in Latin 1. As the course continues, new grammar and structural concepts are included with an increased emphasis on reading, writing, speaking and listening and the culture of the Roman Empire.

LATIN 2 KLEIN PREP (KP)

KISD #: 2632Q

Grades: 10-12 1 Credit

Prerequisite: Latin 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

LATIN 3

KISD #: 2633

Grades: 11-12 1 Credit

Prerequisite: Latin 2

This course emphasizes intermediate-low to intermediate-mid proficiency development. The student will study the writings of Cicero, Pliny, and Livy, and will be able to write simple, directed compositions.

LATIN 3 KLEIN PREP (KP)

KISD #: 2634Q

Grades: 11-12 1 Credit

Prerequisite: Latin 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and will provide opportunities for students to acquire intermediate-mid to intermediate-high proficiency in Latin. Readings will consist of works such as Cicero and Ovid.

Advanced Grade Points: Yes

LATIN 4

KISD #:

Grades: 11-12 1 Credit

Prerequisite: Latin 3

This course will give students an additional year to build proficiency in the language before moving on to the AP course. Emphasis will be placed on listening, speaking, reading, and writing.

ADVANCED PLACEMENT® LATIN

KISD #: 2637

Grades: 11-12 1 Credit

Prerequisite: Latin 3 or placement test

Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters when appropriate, stylistic analysis is an integral part of the advanced work of the course. The AP Latin course includes the study of the cultural, social, and political context of literature. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. **Students enrolled in this course must take the AP® exam (fee required) to earn college credit.**

Advanced Grade Points: Yes

Seminar in Classical Languages, Advanced –Latin

KISD #: 2690

Grades: 10-12 1 Credit

Prerequisite: AP Courses

(This course may be taken with different course content for a maximum of three credits).

Students will study topics assigned by the teacher for research and presentation. A prerequisite to enroll into this course is a minimum proficiency level of Advanced Mid in reading and a minimum performance level of Novice High in listening, speaking, and writing on the American Council on the Teaching of Foreign Languages (ACTFL) scale. Fluency in Latin should reflect a minimum proficiency level of Novice High in the speaking, listening, and writing skills. The student will be required to create and present a comprehensive portfolio.

MANDARIN CHINESE 1

2651

Grades: 9-12 1 Credit

Prerequisite: None

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

MANDARIN CHINESE KLEIN PREP (KP) 2

2652Q

Grades: 9-12 1 Credit

Prerequisite: Mandarin Chinese 1

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

MANDARIN CHINESE KLEIN PREP (KP) 3

NEW

Grades: 9-12 1 Credit

Prerequisite: Mandarin Chinese 2 or Placement Test

This course is designed for students preparing for the AP tract. Students will complete the study of the basic structure of the language while deepening their communication skills and will be taught exclusively in Chinese.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® MANDARIN CHINESE

NEW

Grades: 12 1 Credit

Prerequisite: Mandarin Chinese 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Chinese. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Chinese-Language course. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. Students enrolled in this course must take the AP® exam (fee required) to earn [college credit](#).

Advanced Grade Points: Yes

FRENCH 1

KISD #: 2611

Grades: 9-12 1 Credit

Prerequisite: None

French 1 is an introduction to the French-speaking world, its language, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced holistically through both oral and written expression. The student will develop an understanding of the culture of the French-speaking world.

FRENCH 1 KLEIN PREP (KP)

KISD #: 2611Q

Grades: 9-12 1 Credit

Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

FRENCH 2

KISD #: 2612

Grades: 9-12 1 Credit

Prerequisite: French 1

French 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Students will study the culture not only of France, but

also, the French-speaking world. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

FRENCH 2 KLEIN PREP (KP)

KISD #: 2612Q

Grades: 9-12 1 Credit

Prerequisite: French 1

This course is designed for students preparing for the AP tract. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

FRENCH 2 Pre-IP (Klein Oak HS Only)

KISD #: 3482

Grades: 9-10 1 Credit

Prerequisite: French 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

FRENCH 3

KISD #: 2613

Grades: 9-12 1 Credit

Prerequisite: French 2

French 3 emphasizes speaking and listening skills. By the end of the year, students will have a general knowledge of the basic structure of the language and will be able to converse on a variety of topics. Cultural topics will include contemporary issues in French-speaking countries as well as real-life situations students might encounter while visiting a French-speaking country.

Advanced Grade Points: Yes

FRENCH 3 KLEIN PREP (KP)

KISD #: 2614Q

Grades: 9-12 1 Credit

Prerequisite: French 2 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract. Students will complete the study of the basic structure of the language while deepening their communication skills and will be taught exclusively in French.

Advanced Grade Points: Yes

FRENCH 3 Pre-IP (Klein Oak HS Only)

KISD #: 3484

Grades: 9-11 1 Credit

Prerequisite: French 1, French 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

FRENCH 4 KLEIN PREP (KP)

KISD #: 2616PA

Grades: 9-12 1 Credit

Prerequisite: French 3 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract. The goal is to create reasonable fluency in the four communication areas: reading, writing, listening, and speaking. This course is designed to prepare students for the College Board Advanced Placement French Language and Culture examination.

Advanced Grade Points: Yes

FRENCH 4 Pre-IP (Klein Oak HS Only)

KISD #: 3486

Grades: 10-11 1 Credit

Prerequisite: French 1-2, French 3 (Pre-IP/KP strongly recommended)

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® FRENCH LANGUAGE

KISD #: 2620

Grades: 9-12 1 Credit

Prerequisite: French 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement French-Language course. Students enrolled in this course must take the AP® exam (fee required) to earn [college credit](#).

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

INTERNATIONAL BACCALAUREATE® FRENCH Standard Level (Klein Oak HS Only)

KISD #: 3440 (accelerated course) or 3440SL1 & 3440SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP French 3, Pre-IP French 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB French SL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® FRENCH Higher Level (Klein Oak HS Only)

KISD #: 3451HL1 & 3451HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP French 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB French HL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.**

Advanced Grade Points: Yes

GERMAN 1

KISD #: 2621

Grades: 9-12 1 Credit

Prerequisite: None

German 1 is an introduction to the German-speaking world, its language, culture, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced through both oral and written expression. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

GERMAN 1 KLEIN PREP (KP)

KISD #: 2621Q

Grades: 9-12 1 Credit

Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

GERMAN 2

KISD #: 2622

Grades: 9-12 1 Credit

Prerequisite: German 1

German 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

GERMAN 2 KLEIN PREP (KP)

KISD #: 2622Q

Grades: 9-12 1 Credit

Prerequisite: German 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language. *German 2 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate® German enroll in this course.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

GERMAN 3

KISD #: 2623

Grades: 9-12

1 Credit

Prerequisite: German 2

German 3 classes are conducted in the language and provide opportunities to develop intermediate language proficiency in speaking, listening, reading and writing; so as to meet the ACTFL standards of proficiency in the language.

GERMAN 3 KLEIN PREP (KP)

KISD #: 2624Q

Grades: 9-12

1 Credit

Prerequisite: German 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the German language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language.

*German 3 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate® German enroll in this course.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® GERMAN LANGUAGE

KISD #: 2627

Grades: 12

1 Credit

Prerequisite: German 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement German-Language course. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language.

Students enrolled in this course must take the AP® exam (fee required) to earn [college credit](#).

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® GERMAN Standard Level (Klein Oak HS Only)

KISD #: 3455 (accelerated course) or 3455SL1 & 3455SL2

Grades: 11-12

1 Credit per year of study

Prerequisite: German 1-2, German 3 KP Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB German SL exam in May. Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® GERMAN Higher Level (Klein Oak HS Only)

KISD #: 3456HL1 & 3456HL2

Grades: 11-12

1 Credit per year of study

Prerequisite: German 1-2, German 3 KP Required

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB German HL exam in May. Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Mathematics

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Strategic Learning for High School Mathematics

KISD #: 9923

Grades: 9

1 Credit (elective)

Prerequisite:

8TH Grade Mathematics

This course is intended to develop strategic mathematical learning strategies for under-prepared mathematics students. The basic strategies will stimulate students to think about their approach to mathematical learning. These basic strategies will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. This course is designed to fill gaps in prior learning and support students in improving their study skills. This course is designed for ninth grade students who have a history of struggling in mathematics and/or did not make satisfactory performance on state assessments and will provide a path toward future success.

ALGEBRA 1

KISD #: 0330

Grades: 9-10

1 Credit

Prerequisite:

8TH Grade Mathematics

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRA 1 Sheltered Instruction

KISD #: 0330S

Grades: 9-10

1 Credit

Prerequisite:

8TH Grade Mathematics

Counselor Approval

This course will cover the essential elements of Algebra 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designated to meet the needs of state category 1 and 2 emergent bilingual students who have been enrolled in U.S. schools 3 years or less. This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRA 1 KLEIN PREP (KP)

KISD #: 0330Q

Advanced Grade Points: yes

Grades: 9

1 Credit

Prerequisite:

8TH Grade Mathematics

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. A strong emphasis will be placed on critical thinking and problem-solving skills. The level of instruction and curriculum is intended for preparing students for Advanced Placement/Dual Credit mathematics courses.

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. **Students will take the Alg 1 EOC**



ALGEBRA 1 KLEIN PREP (KP)/GT

KISD #: 0337

Advanced Grade Points: yes

Grades: 9

1 Credit

Prerequisite:

8TH Grade Mathematics and Meets District GT Guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. A strong emphasis will be placed on critical thinking and problem-solving skills. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses.

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRAIC REASONING

KISD #: 0351

1 Credit

Grades: 10-11

1 Credit

Prerequisite:

Algebra 1

The focus of this course is intended on preparing students who need more time in developing algebraic concepts to be successful in subsequent math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, cubic, cube root, exponential, and absolute value. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data. This course will include the appropriate use of graphing technology.

ALGEBRAIC REASONING SHELTERED INSTRUCTION (For Newcomer Students)

KISD #: 0351S

1 Credit

Grades: 10-11

1 Credit

Prerequisite:

Algebra 1/Counselor Approval

This course is specifically designed for newcomer students in the beginning phases of language acquisition. Using Content-Based Language Instruction (CBLI), it ensures the simultaneous development of both language and mathematical content. The course supports emergent bilingual students with beginner and intermediate proficiency who have been enrolled in U.S. schools for three years or less, with a focus on creating a strong foundation for success in future math courses.

The primary goal of this course is to develop students' algebraic reasoning while accelerating their language acquisition. Students will engage in various methods and strategies that integrate mathematical concepts with language development. The course emphasizes active learning, structured language support, and mathematical discourse to enhance comprehension and application of key concepts.

GEOMETRY

KISD #: 0340

1 Credit

Grades: 9-11

1 Credit

Prerequisite:

Algebra 1

This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.



GEOMETRY SHELTERED INSTRUCTION

KISD #: 0340S

Grades: 9-11 1 Credit

Prerequisite: Algebra 1 and Counselor Approval

This course serves as a foundational math course and is a requirement for graduation. *This course emphasizes on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designated to meet the needs of state category 1 and 2 emergent bilingual students who have been enrolled in U.S. schools 3 years or less.*

This course will cover the essential elements of Geometry with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

GEOMETRY KLEIN PREP (KP)

KISD #: 0343Q Advanced Grade Points: yes

Grades: 9-10 1 credit

Prerequisite: Algebra 1 or Algebra 1 KLEIN PREP

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Geometry concepts with extensions. Students will extend their work with proofs to include additional theorems and alternate proof approaches. The level of instruction and curriculum is intended for preparing students for advanced placement mathematics courses.

This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

GEOMETRY KLEIN PREP (KP)/GT

KISD #: 0347Q Advanced Grade Points: yes

Grades: 9-12 1 Credit

Prerequisite: Algebra 1 or Algebra 1 KP and Meets District GT Guidelines

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. Students will extend their work with proofs to include additional theorems and alternate proof approaches. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes. This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education. The level of instruction/curriculum will focus on preparing the gifted student for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes.

COLLEGE ALGEBRA ONRAMPS

KISD #: 0389ORA/0389ORB

Grades: 10-12 1 Credit

Prerequisite: Alg 1; Geometry (recommended)

Students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. **Students must pay the required course fee after enrollment within the first semester. Students can earn 3 credit hours and [UT Austin transcript](#).**

Advanced Grade Points: Yes



STATISTICS

KISD #: 0396

Grades: 11-12

1 Credit

Prerequisite:

Algebra 1

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

ALGEBRA 2

KISD #: 0350

Grades: 11-12

1 Credit

Prerequisite:

Algebra 1 and Geometry

This course is a prerequisite for many fourth-year math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ALGEBRA 2 SHELTERED INSTRUCTION

KISD #: 0350S

Grades: 11-12

1 Credit

Prerequisite:

Algebra 1 and Geometry/ Counselor Approval

This course is a prerequisite for many fourth-year math courses. This course emphasizes on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designated to meet the needs of state category 1 and 2 emergent bilingual students who have been enrolled in U.S. schools 3 years or less.

Algebra 2 Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Algebra 2 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ALGEBRA 2 KLEIN PREP (KP)

KISD #: 0353Q

Advanced Grade Points: yes

Grades: 9-11

1 Credit

Prerequisite:

Algebra 1 or Algebra 1 KP and Geometry or Geometry KP

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Alg 2 concepts with extensions. A strong emphasis will be placed on critical thinking, problem solving skills, and a focus on functional analysis to align with the College and Career Readiness Standards. The level of instruction and curriculum is intended for preparing students for advanced placement mathematics courses.

This course is a prerequisite for many fourth-year math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I

Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations.

Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ALGEBRA 2 KLEIN PREP (KP) /GT

KISD #: 0354Q

Advanced Grade Points: yes

Grades: 9-11

1 Credit

Prerequisite:

Algebra 1/Algebra 1 KP and Geometry/Geometry KP and Meets District GT Guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 2 concepts with extensions. A strong emphasis will be placed on critical thinking, problem solving skills, and a focus on functional analysis to align with the College and Career Readiness Standards. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses. This course is a prerequisite for many fourth-year math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I

Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations.

Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.



ADVANCED QUANTITATIVE REASONING

KISD #: 0391

Grades: 11-12 1 Credit

Prerequisite: Algebra 1, Geometry and Algebra 2

In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics. This course is designed to prepare students for a variety of future paths in college, including the social sciences, computers, business, and health fields.

ONRAMPS STATISTICS

KISD #: 0391

Grades: 11-12 1 Credit

Prerequisite: Algebra 1; (Algebra 2 Recommended)

Students develop the quantitative reasoning skills and habits of mind necessary to use data science and mathematical thinking effectively across multiple disciplines while learning the interactive applications and coding skills needed to meet the demands of higher education and the workplace. **Students can earn 3 credit hours and [UT Austin transcript](#).**

PRE-CALCULUS Advanced

KISD #: 0360 Advanced Grade Points: yes

Grades: 10-12 1 Credit

Prerequisite: Algebra 1 or Algebra 1 KP, Geometry or Geometry KP and Algebra 2 or Algebra 2 KP

The level of instruction and curriculum is rigorous and intended for preparing students for college level mathematics coursework. Pre-calculus is the preparation for calculus.

Students will approach topics from a functional point of view, where appropriate, and are designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. Students will deepen their mathematical understanding and fluency with algebra and trigonometry and extend their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

PRE-CALCULUS KLEIN PREP (KP)

KISD #: 0363Q Advanced Grade Points: yes

Grades: 10-12 1 Credit

Prerequisite: Algebra 1 KP, Geometry or Geometry KLEIN PREP and Algebra 2 or Algebra 2 KLEIN PREP

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Precalculus concepts with extensions. The level of instruction and curriculum is intended for preparing students for AP Calculus and college level mathematics coursework.

Pre-calculus is the preparation for calculus.

The course approaches topics from a functional point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

PRE-CALCULUS KLEIN PREP (KP)/GT

KISD #: 0364Q Advanced Grade Points: yes

Grades: 10-12 1 Credit

Prerequisite: Algebra 1 KP, Geometry or Geometry KP and Algebra 2 or Algebra 2 KP and Meets District GT Guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Precalculus concepts with extensions. The level of instruction and curriculum is intended for preparing gifted students for AP Calculus and college level mathematics coursework.

The course approaches topics from a functional point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.



ADVANCED PLACEMENT PRECALCULUS

KISD #: 0362

Grades: 10-12 1 Credit

Prerequisite: Algebra 1, Geometry, Algebra 2

AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: yes

ONRAMPS PRECALCULUS

KISD #: 0360ORA/0360ORB

Grades: 11-12 1 Credit

Prerequisite: Algebra 1, Geometry, Algebra 2

Students deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level calculus course. **Students must pay the required course fee after enrollment within the first semester. Students can earn 3 credit hours and [UT Austin transcript](#).**

Advanced Grade Points: Yes

ADVANCED PLACEMENT[®] CALCULUS AB

KISD #: 0365

Advanced Grade Points: yes

Grades: 11-12 1 Credit

Prerequisite: Precalculus ADV or Precalculus KP (KLEIN PREP coursework recommended)

AP[®] Calculus AB is designed to be the equivalent of a first semester college calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course requires students to use definitions and theorems to build arguments and justify conclusions. **Students enrolled in this course are responsible for the exam fee and must take the AP[®] exam to earn college credit.**

ADVANCED PLACEMENT[®] CALCULUS BC

KISD #: 0367

Advanced Grade Points: yes

Grades: 11-12 1 Credit

Prerequisite: Precalculus ADV or Precalculus KLEIN PREP (KLEIN PREP coursework recommended)

AP[®] Calculus BC is designed to be the equivalent of a first and second semester college calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course requires students to use definitions and theorems to build arguments and justify conclusions. All topics in the eight units of AP Calculus AB are also included in AP Calculus BC. However, AP Calculus BC contains two additional units (Units 9 and 10), plus some extra topics in Units 6–8. **Students enrolled in this course are responsible for the exam fee and must take the AP[®] exam to earn college credit.**



CALCULUS 3

KISD #: 0370

Grades: 11-12

1 Credit

Prerequisite:

Calculus BC

Multivariable Calculus takes the concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy; Green's Theorem; parametric surfaces, including normal vectors, tangent planes, and areas; orientation of a surface; Divergence Theorem; and Stokes's Theorem. This course is designed as an additional math course for those students who have successfully completed AP Calculus BC and have an interest in continuing their mathematical studies while in high school.

Advanced Grade Points: yes

ADVANCED PLACEMENT® STATISTICS

KISD #: 0397

Grades: 10-12

1 Credit

Prerequisite:

Algebra 2 or Algebra 2 KP (KLEIN PREP coursework recommended)

The AP® Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP® Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. **Students enrolled in this course are responsible for the exam fee and must take the AP® exam to earn [college credit](#).**

Advanced Grade Points: Yes

TRANSITION TO COLLEGE MATH

KISD #: 0502

Grades: 12

1 Credit

Prerequisite:

Recommend Alg 2

Topics include basic algebraic operations, solving linear equations and inequalities, laws of integer exponents, factoring, rational expressions, the Cartesian coordinate system, graphing lines, finding equations of lines, solving linear systems, special products and factoring, rational expressions and equations, rational exponents, radicals, radical equations, quadratic equations, absolute value equations and inequalities, complex numbers, equations of lines, an introduction to the function concept, and graphing. This course covers Lone Star Math 0308 (Introductory Alg) and Math 0310 (Intermediate Algebra); these are transitional math courses for meeting college prerequisite courses. HS math credit will be given; this is not a Dual Credit course.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Independent Study Courses:

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics.

Independent Study: DUAL CREDIT COLLEGE ALGEBRA

KISD #: 0389A, 0389DC **Advanced Grade Points:** yes

Grades: 11-12 **1 Credit**

Prerequisite: **Algebra 2, TSI requirements and Counselor Approval**

This course requires students to meet enrollment deadlines for Lone Star College and fees apply.

The first semester of this course is designed to strengthen Algebraic, geometric, and statistical reasoning. Its focus will be on Algebra, geometry, and statistical concepts that relate to success in higher level mathematics. These concepts include foundational algebra skills, functions and their graphs, systems of equations, trigonometry, probability, and statistics. The content of the second semester of this course will provide the student with college level MATH-1314/College Algebra. **Students enrolled in this course are expected to purchase the required textbook.**

INDEPENDENT STUDY OF MATHEMATICS KLEIN PREP (KP)/GT

KISD #: 0384Q, 0386Q **Advanced Grade Points:** yes

Grades: 11-12 **1 Credit**

Prerequisite: **Algebra 1, Geometry, and Algebra 2**

Meets district guidelines, concurrent enrollment in Pre-Calculus

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics. Potential students must meet prerequisites and have approval of the mathematics department chairman. When accepted, each student will work independently during an assigned period each day on the course selected and attend regularly scheduled seminars with his consulting teacher for progress reports and critical evaluations.

INTERNATIONAL BACCALAUREATE® MATH: APPLICATIONS & INTERPRETATIONS SL (Klein Oak HS Only)

KISD #: 3425

Grades: 11-12 **2 Credits earned within 1 academic year**

Prerequisite: **Algebra 1, Geometry, Algebra 2, and Pre-Calculus KP highly recommended**

This course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. Students are encouraged to solve real-world problems, construct and communicate this mathematically, and interpret the conclusions. Students are expected to work independently and develop an investigation mode, which can be applied to other subject areas, to common world occurrences and to topics that relate to the self-interest of students. This course culminates in the completion of the IB Mathematics: Applications & Interpretations SL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit..**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MATH: ANALYSIS & APPROACHES SL/HL (Klein Oak HS Only)

KISD #: 3421 or 3418HL1 & 3418HL2

Grades: 11-12 **2 Credits**

Prerequisite: **Geometry, Algebra 2, Pre-Calculus KP and AP Calculus AB/BC recommended**

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period, but at a higher level of rigor (students will earn 1 credit per year of completion). Subjects at HL are studied in greater depth and breadth than SL. This course includes topics that are traditionally part of a pre-university mathematics course such as calculus, trigonometry, and differential equations. The course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent, and rigorous way, achieved by a carefully balanced approach. This course places a strong emphasis on the ability to construct, communication, and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. This course culminates in the completion of the IB Mathematics: Analysis & Approaches HL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.**

Advanced Grade Points: Yes

Science

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

BIOLOGY 1

KISD #: 0421

Grades: 9-11

1 Credit

Prerequisite:

None

This course is designed to acquaint the student with the concepts and processes of biology. A developmental approach is utilized beginning with life at the cell level and progressing to the most advanced life forms. Laboratory investigations are an integral part of the course. Topics of study shall include cytology, viruses, tissues and organs of the human systems, genetics, and biological evolution, and taxonomy, energy transfers in living organisms, homeostasis, ecosystems, and plants. During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

BIOLOGY 1 KLEIN PREP (KP)

KISD #: 0423Q

Grades: 9-12

1 Credit

Prerequisite:

None

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with concepts and processes of biology and is an expansion of the regular class. Experimentation and individual student inquiry are essential components of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

Advanced Grade Points: Yes

BIOLOGY 1 KLEIN PREP (KP)/GT

KISD #: 0427

Grades: 9-12

1 Credit

Prerequisite:

Meets district guidelines

This course is designed for the student with a high aptitude in science, and it acquaints the student with the concepts and processes of biology. This course focuses on strategies to support abstract reasoning problem solving, research skills and a students' active involvement in the learning process. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. GT services are provided through the KLEIN PREP classes. **This course requires an EOC exam.**

Advanced Grade Points: Yes

BIOLOGY 1 Pre-IP (Klein Oak High School Only)

KISD#: 3476

Grades: 9

1 credit

Prerequisite:

Acceptance into the IB[®] Programme

IB Preparatory Biology provides students with an understanding of the important underlying biological themes of form and function, equilibriums, and evolution as an underlying concept for understanding life on Earth. This course is appropriate for identified gifted learners who require specialized instructional services. Students will become knowledgeable about the ideas and concepts fundamental to biology. Pre-IP Biology is appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for Biology. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB Biology Standard Level and Higher Level courses. Students enrolled in this class must pass a Biology End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

Advanced Placement[®] BIOLOGY 1

KISD #: 0425

Grades: 10-12

1 Credit

Prerequisite:

Biology 1 and Chemistry 1

AP[®] Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes



BIOLOGY DUAL CREDIT

KISD #: 0425DC

Grades: 11-12 1 Credit

Prerequisite: Meets district guidelines

A contemporary course including applications of the scientific method, cellular and molecular biology, biochemistry, classical and human genetics, virology, and mechanisms of evolution. The course includes a detailed survey of the major phylogenetic lineages as well as the ecological roles and relationships as well as behavior of organisms which will be integrated throughout the course. **Students enrolled in this course are expected to purchase the required textbook.**

Advanced Grade Points: Yes

Dual Credit Correlation: BIOL 1406 and 1407

BIOLOGY 1 SHELTERED INSTRUCTION

KISD #: 0421S

Grades: 9-12 1 Credit

Prerequisite: Counselor Approval

The course will cover the essential knowledge and skills of the regular Biology course with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designed to acquaint the emergent bilingual student with the concepts and processes of biology. A developmental approach is utilized beginning with life at the cell level and progressing to the most advanced life forms. Laboratory investigations are an integral part of the course. Topics of study shall include cytology, viruses, tissues and organs of the human systems, genetics, biological evolution, taxonomy, energy transfers in living organisms, homeostasis, ecosystems, and plants. During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

INTERNATIONAL BACCALAUREATE® BIOLOGY Standard Level (Klein Oak HS Only)

KISD #: 3430 (accelerated course) or 3430SL1 & 3430SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Biology KP required, Biology Pre-IP highly recommended

This course may be taken as an SL accelerated opinion in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. The material of study for IB® Biology (SL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTEGRATED PHYSICS AND CHEMISTRY

KISD #: 0411

Grades: 9-10 1 Credit

Prerequisite: None

This course is designed to acquaint the student with the concepts and processes of physics and chemistry. Laboratory investigations are an integral part of the course. These laboratory investigations will allow the student to utilize the scientific method and develop critical thinking skills while problem solving. Topics of study shall include properties and relationships of matter and energy, atomic structure, chemical formulas and equations, mechanics, heat, electricity and magnetism, motion, waves, light, and sound. This course is intended for students who did not pass Algebra 1 and who need more foundational knowledge prior to entering Chemistry or Physics.

INTEGRATED PHYSICS AND CHEMISTRY SHELTERED INSTRUCTION

KISD #: 0411S

Grades: 9-12 1 Credit

Prerequisite: Counselor Approval

The course will cover the essential knowledge and skills of the regular integrated physics and chemistry course with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designed to acquaint the emergent bilingual student with the concepts and processes of physics and chemistry. Laboratory investigations are an integral part of the course. These laboratory investigations will allow the student to utilize the scientific method and develop critical thinking skills while problem solving. Topics of study shall include properties and relationships of matter and energy, atomic structure, chemical formulas and equations, mechanics, heat, electricity and magnetism, and light and sound.



OnRamps Biology

KISD #: 0425OR

Grades: 11-12

1 Credit

Prerequisite:

HS Biology and Chemistry

This year-long course explores three big ideas of biology: the structure and function of biomolecules, the flow of energy through living systems via photosynthesis and cellular respiration, and how genetic information is expressed and transmitted both within and between cells. **Students can earn 4 credit hours and (3 for Lecture, 1 for Lab) and [UT Austin transcript](#).** **Advanced Grade Points:** Yes

INTERNATIONAL BACCALAUREATE® BIOLOGY Higher Level (Klein Oak HS Only)

KISD #: 3436HL1 & 3436HL2

Grades: 11-12

1 Credit per year of study

Prerequisite:

Biology Pre-IP

This course must be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. Subjects at HL are studied in greater depth and breadth than SL. The material of study for IB® Biology (HL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology HL exam in May; exam fees apply.

Advanced Grade Points: Yes

CHEMISTRY

KISD #: 0431

Grades: 9-12

1 Credit

Prerequisite:

Algebra 1, concurrent 2nd year HS Math

This course is designed to acquaint the student with the concepts and processes of chemistry. This laboratory program focuses on Chemistry concepts and how they apply to the physical world. The student builds an understanding of chemistry through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. All-important concepts are covered in several chapters in a spiraling process that allows students to see concepts in a variety of contexts and in ways that are meaningful to the student.

CHEMISTRY SHELTERED INSTRUCTION

KISD #: 0431S

Grades: 9-12

1 Credit

Prerequisite:

Counselor Approval

Chemistry Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Chemistry with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

This course is designed to acquaint the student with the concepts and processes of chemistry. This laboratory program focuses on Chemistry concepts and how they apply to the physical world. The student builds an understanding of chemistry through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. All-important concepts are covered in several chapters in a spiraling process that allows students to see concepts in a variety of contexts and in ways that are meaningful to the student.

CHEMISTRY KLEIN PREP (KP)

KISD #: 0433Q

Grades: 9-12

1 Credit

Prerequisite:

Algebra 1 and Meets district guidelines. Concurrent: 2nd year HS math

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with the concepts and processes of chemistry and is a modification and expansion of the regular class. Experimentation, individual student inquiry and mathematical applications are an integral part of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses.

Advanced Grade Points: Yes



CHEMISTRY KLEIN PREP (KP)/GT

KISD #: 0437

Grades: 9-12

1 Credit

Prerequisite: Algebra 1 and Meets district guidelines Concurrent: 2nd year HS Math

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with the concepts and processes of chemistry and is a modification and expansion of the regular class. Experimentation, individual student inquiry and mathematical applications are an integral part of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses. This course focuses on strategies to support abstract reasoning problem solving, research skills and a students' active involvement in the learning process. GT services are provided through the KLEIN PREP classes.

Advanced Grade Points: Yes

ONRAMPS CHEMISTRY 1

KISD #: 0480OR

Grades: 10-12

1 Credit

Prerequisite: Algebra 1

The Principles of Chemistry I course addresses the nature of matter, energy, chemical reactions, and chemical thermodynamics. Students will learn about descriptive chemistry of matter in the natural world, as well as compositional and reaction stoichiometry of chemical compounds. **Students can earn four hours (3 for Lecture, 1 for Lab) of UT Austin credit. Advanced Grade Points: Yes**

CHEMISTRY PRE-IP (Klein Oak High School Only)

KISD#: 3478

Grades: 9-10

1 Credit

Prerequisite: Algebra 1 and Acceptance into the IB[®] Programme

Pre-IP Chemistry is a laboratory centered course that investigates the composition and behavior of matter. Skills emphasized are reading and writing scientific, technical information; collecting and analyzing data; note taking and time management. Students who successfully complete the course will be prepared for the rigorous academic demands of the IB Chemistry Standard Level and Higher Level courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

Advanced Placement[®] CHEMISTRY

KISD #: 0435

Grades: 10-12

1 Credit

Prerequisite: Chemistry 1 and Algebra 2

The AP[®] Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

Students enrolled in this course must take the AP[®] exam to earn college credit. **Advanced Grade Points: Yes**

ONRAMPS CHEMISTRY 2

KISD #: 0481OR

Grades: 11-12

1 Credit

Prerequisite: OnRamps Chemistry 1; Advanced Placement Chemistry

Principles of Chemistry II continues the development and application of concepts, theories and laws introduced in Chemistry I and extends the study of thermodynamics. Students deepen chemistry knowledge through experiments, group work and simulations that explore chemical equilibria, kinetics, water, and nuclear chemistry and electrochemistry.

Students can earn four hours (3 for Lecture, 1 for Lab) of UT Austin credit. **Advanced Grade Points: Yes**

CHEMISTRY DUAL CREDIT

KISD #: 0431DC

Grades: 11-12

1 Credit

Prerequisite: Meets district guidelines

This course is designed for students with a high interest in science. This course is a preparatory course for student who have never had chemistry and covers the metric system, atoms and elements, bonding, solids, liquids, gasses, stoichiometry, solutions, reactivity and acids and bases.

Advanced Grade Points: yes

Dual Credit Correlation:



PHYSICS

KISD #: 0441

Grades: 9-12 **1 Credit**

Prerequisite: Geometry preferred

Physics is the study of the interactions of matter and energy. This laboratory program focuses on physics concepts and how they apply to the physical world. The student builds understanding through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. Topics include: mechanics, properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear Physics. Mathematical applications are included throughout the course.

PHYSICS 1 SHELTERED INSTRUCTION

KISD #: 0441S

Grades: 9-12 **1 Credit**

Prerequisite: Counselor Approval

Physics 1 Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Physics with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

Physics is the study of the interactions of matter and energy. This laboratory program focuses on physics concepts and how they apply to the physical world. The student builds understanding through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. Topics include: mechanics, properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear Physics. Mathematical applications are included throughout the course.

PHYSICS KLEIN PREP

KISD #: 0443Q

Grades: 9-12 **1 Credit**

Prerequisite: Algebra 1 and Geometry concurrently

In this course, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion, changes within physical systems and conservation of energy and momentum, forces, characteristics and behavior of waves, and electricity and magnetism. Students will apply conceptual knowledge and collaborative skills to experimental design, implementation, and interpretation.

Advanced Grade Points: Yes

PHYSICS KLEIN PREP/GT

KISD #: 0444

Grades: 9-12 **1 Credit**

Prerequisite: Algebra 1 and Geometry concurrently

PHYSICS DUAL CREDIT

KISD #: 0441DC

Grades: 11-12 **1 Credit**

Prerequisite: Meets district guidelines

This course is designed for students with a high interest in science. This course covers the fundamental principles of physics, mechanics, thermodynamics, Newton’s Laws of Motion, gravitation and other forces and has an emphasis on problem solving. (Students cannot receive credit for both AP Physics 1 and DC Physics)

Advanced Grade Points: yes

Dual Credit Correlation: PHYS 1401

ONRAMPS PHYSICS 1

KISD #: 041ORA/0441ORB

Grades: 11-12 **1 Credit**

Prerequisite: Algebra 1, Geometry, and Algebra 2; Precalculus (concurrent enrollment)

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics (including motion, force, energy, and rotation), as well as solid and fluid mechanics, oscillations, waves, sound, and heat. **Advanced Grade Points: Yes**

ONRAMPS PHYSICS 2

KISD #: 0448ORA, 0448ORB

Grades: 11-12 **1 Credit**

Prerequisite: Physics, Algebra 2, Geometry (Required); Physics 1 (OnRamps/AP/DC), Precalculus (Recommended)

This is the second course in a sequence of algebra-based (non-calculus) courses. Students are introduced to the topics of electricity, magnetism, optics, waves, and quantum and nuclear physics while obtaining practical experience with electrical circuits and optical devices. **Upon successful completion of the course, students can earn three hours of UT Austin credit.**

Advanced Grade Points: yes



ADVANCED PLACEMENT® PHYSICS 1

KISD #: 0445

Grades: 10-12 **1 Credit**

Prerequisite: Algebra 1 and 2 (Prior to or concurrent enrollment)

AP® Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® PHYSICS 2

KISD #: 0448

Grades: 11-12 **1 Credit**

Prerequisite: AP Physics 1, Pre-Calculus (Prior to or concurrent enrollment)

AP® Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ONRAMPS GEOSCIENCE

KISD Code: 0489ORA

Grade: 11 - 12 **1 Credit**

Prerequisite: Biology and Chemistry

Earth, Wind, and Fire is a course in geoscience literacy. It covers the fundamentals of how the Earth works, and how its various systems—the lithosphere, atmosphere, hydrosphere, and biosphere—interact to form the complex world in which we live.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS SL (Klein Oak HS Only)

KISD #: 3434 (accelerated course) or 3434SL1 & 3434SL2

Grades: 11-12 **1 Credit per year of study**

Prerequisite: Pre IP-Physics or AP Physics highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). The student will be introduced to fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. This course culminates in the completion of the IB Physics SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS Higher Level (Klein Oak HS Only)

KISD #: 3438HL1 & 3438HL2

Grades: 11-12 **1 Credit per year of study**

Prerequisite: Pre-IP Physics or AP Physics required

This course must be taken over a two year period (students will earn 1 credit per year of completion). Students will encounter further extensions of the fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. This course culminates in the completion of the IB Physics HL exam in May; exam fees apply.

Advanced Grade Points: Yes



EARTH SYSTEMS SCIENCE

KISD #: 0456

Grades: 10-12

1 Credit

Prerequisite:

Algebra 1, 2 HS Science

Earth Systems Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that are designed to develop an understanding of the Earth’s system in space and time. Concepts included are the complex and dynamic history of the earth and the advances in technologies that help further that understanding, the geosphere and complex subsystems linking it to the Earth’s surface, and the fluid earth’s influences on climate and its implications to life on earth.

EARTH SYSTEMS SCIENCE SHELTERED INSTRUCTION

KISD #: 0454S

Grades: 10-12

1 Credit

Prerequisite:

Counselor Approval

Earth Systems Science Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Earth Science with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

In Earth Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that are designed to develop an understanding of the Earth’s system in space and time, solid Earth and fluid Earth.

ASTRONOMY

KISD #: 0455

Grades: 10-12

1 Credit

Prerequisite:

Algebra 1, IPC or Chemistry

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.

INDEPENDENT STUDY SCIENCE KLEIN PREP

KISD #: 0450

Grades: 11-12

1 Credit

Prerequisite:

Biology, Chemistry, Algebra 2, approval from Science Department Chair

Preferred:

AP/DC English 3, AP Seminar, Physics

Independent Study in Science is intended to diversify programs of science study and give students the opportunity to study scientific topics in greater detail that may not be covered in chemistry, physics, or biology courses. Students will incorporate critical thinking and problem-solving skills to research a science topic of their passion through experimentation and data analysis. Students will be required to present their scientific research findings to a panel/audience. Each student will work independently during an assigned period each day on the research topic/thesis selected, and collaborate daily with the facilitating teacher on meeting progress report deadlines and critical evaluations. By the end of this course the student will be expected to have created and presented a rigorous, well-researched and well-designed laboratory report, research paper and presentation on their topic

Advanced Grade Points: Yes

AQUATIC SCIENCE

KISD #: 0451

Grades: 10-12

1 Credit

Prerequisite:

Biology 1 and IPC or Chemistry

In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

Required Fee: \$10



AQUATIC SCIENCE SHELTERED INSTRUCTION

KISD #: 0451S

Grades: 10-12

1 Credit

Prerequisite:

Counselor Approval

Aquatic Science Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Aquatic Science with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

ENVIRONMENTAL SYSTEMS

KISD #: 0457

Grades: 10-12

1 Credit

Prerequisite:

Biology 1

Corequisite: IPC or Chemistry

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

ENVIRONMENTAL SYSTEMS SHELTERED INSTRUCTION

KISD #: 0457S

Grades: 10-12

1 Credit

Prerequisite:

Counselor Approval

Environmental Systems Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Environmental Systems with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE

KISD #: 0465

Grades: 11-12

1 Credit

Prerequisite:

Biology 1 and Chemistry 1

The AP® Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **Students enrolled in this course must take the AP® exam to earn college credit.**

ENVIRONMENTAL SCIENCE DUAL CREDIT

KISD #: 0465DC

Grades: 11-12

1 Credit

Prerequisite:

Biology 1 or Chemistry 1 preferred and meets district guidelines

This course is designed as an interdisciplinary study of both natural (biology, chemistry, geology) and social (economics, politics, ethics) sciences as they apply to the environment. Focus is on the role of science in addressing global environmental concerns, energy issues, global warming, ozone loss, land use, conservation and management of resources, deforestation, biodiversity, waste, and sustainable practices. Concepts include ethics, policy, matter, energy, species biodiversity, ecology, human populations, food and agriculture. Practical laboratory experience emphasizes the application of fundamental principles of biology and chemistry as well as critical thinking and analysis.

Advanced Grade Points: yes

Dual Credit Correlation: ENVR 1401 and 1402



ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600
 Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended and Medical Terminology or Kinesiology I

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems.

This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600
 Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended and Medical Terminology or Kinesiology I

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students enrolled in this course are expected to purchase the required textbook.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

ADVANCED PLANT & SOIL SCIENCE

KISD Code: 907118 PEIMS: 13002100
 Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Horticulture Science/Horticulture Science DC and Biology, Integrated Physics and Chemistry, Chemistry, or Physics, Algebra 1 and Geometry

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. A majority of this class is based on hands-on, lab and project based learning experiences. Students will also have the opportunity to participate in extended learning experiences, such as the Ag Science Fair, by joining the National FFA Organization. This is a 4th credit option. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

ADVANCED ANIMAL SCIENCE

KISD Code: 907018 PEIMS: 13000700
 Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

Are you preparing for a career in the animal science industry? Students who take this course will gain the opportunity to participate in experiments, laboratory explorations, and the study of animal science topics such as reproduction, breeding, genetics, anatomy, physiology, nutrition, health, and the marketing and harvesting of domestic livestock. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Industry Certification: Elanco Fundamentals of Animal Science Certification

ADVANCED ANIMAL SCIENCE DUAL CREDIT

KISD Code: 9070DC18
 Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

PEIMS: 13000700

The scientific study of animal agriculture involving beef cattle, dairy cattle, swine, sheep, goats, and horses. Topics covered will include general management practices, reproduction, nutrition, health, handling, genetic selection, shelter/housing and marketing strategies and procedures. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: YES

Industry Certification: Elanco Fundamentals of Animal Science Certification

Science

FORENSIC SCIENCE

KISD Code: 963518

PEIMS: 13029500

Grade: 11 - 12

1 Credit

Grade Points: 5.5

Prerequisite: Criminal Investigations, Biology I and Chemistry I

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

MEDICAL MICROBIOLOGY

KISD Code: 928118

PEIMS: 13020700

Grade: 11 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology DC (MSC)

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

MEDICAL MICROBIOLOGY DUAL CREDIT

KISD Code: 9281DC18

PEIMS: 13020700

Grade: 11 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology DC (MSC)

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes

Industry Certification: None

Note: Dual Credit Correlation BIOL 2420

PATHOPHYSIOLOGY

KISD Code: 928218

PEIMS: 13020800

Grade: 11 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Anatomy and Physiology and/or Medical Microbiology

Students will conduct laboratory and field investigations, use scientific methods during investigations, make informed decisions using critical thinking and scientific problem-solving and demonstrate professional standards as related to business and industry. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Social Studies

WORLD GEOGRAPHY

KISD #: 0231

Grades: 9-10

1 Credit

Prerequisite:

None

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives.

WORLD GEOGRAPHY SHELTERED INSTRUCTION

KISD #: 0231S

Grades: 9-10

1 Credit

Prerequisite:

Counselor Approval

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Sheltered instruction techniques are used to help students master the essential concepts of the course. This course will cover the essential elements of World Geography with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

ADVANCED PLACEMENT[®] HUMAN GEOGRAPHY

KISD #: 0238

Grades: 9-12

1 Credit

Prerequisite:

None

AP[®] Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

WORLD HISTORY

KISD #: 0221

Grades: 9-10

1 Credit

Prerequisite:

None

World History is the study of the historical development of people, places, and patterns of life from ancient times to the present. Students will use skills of historical and geographical analysis to explore the early history of the world.

WORLD HISTORY SHELTERED INSTRUCTION

KISD #: 0221N

Grades: 9-10

1 Credit

Prerequisite:

Counselor Approval

World History is the study of the historical development of people, places, and patterns of life from ancient times to the present. Students will use skills of historical and geographical analysis to explore the early history of the world. This course will cover the essential elements of US History with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT® WORLD HISTORY

KISD #: 0224

Grades: 10-12 1 Credit

Prerequisite: None

In AP® World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

US HISTORY

KISD #: 0211

Grades: 10-12 1 Credit

Prerequisite: World Geography or World History

United States History Since 1877 is the study of the historical development of American ideas and institutions from the Age of Exploration to the present. Students will learn fundamental concepts in civics, economics, and geography and obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States. **This course requires an EOC exam.**

US HISTORY SHELTERED INSTRUCTION

KISD #: 0211S

Grades: 10-12 1 Credit

Prerequisite: Counselor Approval

United States History Since 1877 is the study of the historical development of American ideas and institutions from the Age of Exploration to the present. Students will learn fundamental concepts in civics, economics, and geography and obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States. This course will cover the essential elements of US History with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

This course requires an EOC exam.

ADVANCED PLACEMENT® US HISTORY

KISD #: 0215

Grades: 10-12 1 Credit

Prerequisite: None

In AP® U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. **All Students take the EOC test. Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

US HISTORY DUAL CREDIT

KISD #: 0221DC

Grades: 10-12 1 Credit

Prerequisite: None

A survey of U.S. history from Pre-Contact Societies to the present. Themes to be developed include westward expansion and globalization, Native Americans, industrialization, immigration, imperialism, political and social developments, the wars of the 220th century and the changing status and conditions of women and minorities. **Students enrolled in this course are expected to purchase the required textbook.**

Advanced Grade Points: Yes

Dual Credit Correlation: HIST 1301 and 1302



Social Studies

US HISTORY ONRAMPS

KISD #: 0221ORA/0211ORB

Grades: 10-12 1 Credit

Prerequisite: English 1, English 2 (or concurrent enrollment)

In these two sequential courses, students explore the scope and depth of the American experience, engaging with course material both independently and collaboratively to develop critical thinking skills, analyze evidence-based historical narratives, and conduct archival research. Each unit consists of primary and secondary sources that challenge students to uncover the complexities within historical study. **This course requires an EOC exam. Students must pay the required course fee after enrollment within the first semester.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® HISTORY OF THE AMERICAS HL (Klein Oak HS Only)

KISD #: 3410HL1 & 3410HL2

Grades: 11 and 12 1 Credit per year of study

Prerequisite: World Geography KP and AP World History

The IB History of the Americas is a two-year course of study that provides students with an intensive analysis of the political, economic, social, intellectual, diplomatic, and cultural development of early American history, as well as a transition into 20th century topics. It involves the study of a variety of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The six key concepts include: change, continuity, causation, consequence, significance, and perspectives. Students must pass a US History End of Course (EOC) exam to meet graduation requirements. This course culminates in the completion of the IB HOA HL exam in May; exam fees apply. ***This course replaces the U.S. History requirement for graduation.**

Advanced Grade Points: Yes

GOVERNMENT

KISD #: 0241

Grades: 11-12 0.5 Credit

Prerequisite: U.S. History

United States Government will provide students with knowledge of the American government system that will enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy; and the American economic system.

GOVERNMENT SHELTERED INSTRUCTION

KISD #: 0241S

Grades: 11-12 .5 Credit

Prerequisite: Counselor Approval

The United States Government will provide students with knowledge of the American government system that will enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy; and the American economic system. This course will cover the essential elements of Government with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

ADVANCED PLACEMENT® GOVERNMENT

KISD #: 0245

Grades: 11-12 .5 Credit

Prerequisite: US History (Prior to or concurrent enrollment)

AP® U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Social Studies

GOVERNMENT DUAL CREDIT

KISD #: 0241DC

Grades: 11-12 .5 Credit

Prerequisite: Meet district guidelines

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. **Students enrolled in this course are expected to purchase the required textbook**

Advanced Grade Points: Yes

Dual Credit Correlation: GOVT 2305

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS

KISD #: 0251

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

Economics is a semester course that deals with the way that individuals and societies, particularly the United States, have chosen to use scarce resources for the production of alternative goods and how these resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based.

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS SHELTERED INSTRUCTION

KISD #: 0251S

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

Economics is a semester course that deals with the way that individuals and societies, particularly the United States, have chosen to use scarce resources for the production of alternative goods and how these resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based. This course will cover the essential elements of Economics with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

PERSONAL FINANCIAL LITERACY AND ECONOMICS

KISD #: 0271

Grades: 11-12 .5

Prerequisite: U.S. Credit History

Personal Financial Literacy and Economics Course is a semester course that emphasizes the economic way of thinking, as a framework for the personal financial decision-making opportunities students will make. This course allows students the ability to anticipate and address financial challenges as these challenges occur over their lifetime, like how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will be introduced to common economic and personal financial planning terms and concepts. Upon completion of the course students will gain the ability to lead productive and financially self-sufficient lives and realize how it impacts the greater economy.

Advanced Grade Points: No

ONRAMPS ECONOMICS

KISD #: 0257OR

Grades: 11-12 .5 Credit

Prerequisite: None (Algebra 2 Recommended)

Economics introduces students to the principles, models, and conditions that influence how consumers, businesses, governments, and workers make and evaluate economic decisions. The course places emphasis on microeconomics concepts and quantitative reasoning as students employ logic, mathematics, and technology to interpret basic statistics and apply economic analysis. It also features macroeconomics topics and personal financial literacy content in addition to core concepts including scarcity and opportunity costs, supply and demand, market structures, competition, and behavioral economics. Students can earn three hours of UT Austin credit.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT[®] MICROECONOMICS

KISD #: 0255

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

AP[®] Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT[®] MACROECONOMICS

KISD #: 0256

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

AP[®] Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

ECONOMICS DUAL CREDIT

KISD #: 0251DC

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

A study of macroeconomic principles. Analysis of the market economy; national income accounting; income determination; stabilization policies: monetary and fiscal policy; money and banking; demand and supply-side economics; monetarist vs. Keynesian view; inflation theories such as distinction between demand-pull and cost-push theories, Phillips curve analysis; labor market and determination of unemployment rate. **Students enrolled in this course are expected to purchase the required textbook.**

Advanced Grade Points: Yes

Dual Credit Correlation: ECON 2301

MEXICAN AMERICAN STUDIES

KISD #: 0269

Grades: 10-12 1 Credit

Prerequisite: None

Mexican American Studies is an elective, full-year course where students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes developments in the twentieth and twenty-first centuries, but students will also engage with developments prior to the twentieth century.

AFRICAN AMERICAN STUDIES

KISD #: 0267

Grades: 10-12 1.0 Credit

Prerequisite: None

African American Studies is an elective, full year course where students learn about the history and cultural contributions of African Americans. Students are provided the opportunity to develop a greater understanding of various historical and current topics and the changing economic and social impacts of African Americans on the national culture and conscience.

PSYCHOLOGY

KISD #: 0260

Grades: 10-12 .5 Credit

Prerequisite: None

Psychology is an elective course where students learn about principles of learning, types of personalities, understanding human behavior, patterns of behavior, emotional and behavioral adjustments, group influences, social psychology.



ADVANCED PLACEMENT® PSYCHOLOGY

KISD #: 0262

Grades: 10-12 .5 Credit

Prerequisite: None

The AP® Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

PSYCHOLOGY DUAL CREDIT

KISD #: 0260DC

Grades: 11-12 .5 Credit

Prerequisite: None

This course is a survey of the essential subject areas, major theories, and approaches to the scientific study of behavior and mental processes.

Advanced Grade Points: Yes

Dual Credit Correlation: PSYC 2301

SOCIOLOGY

KISD #: 0261

Grades: 10-12 .5 Credit

Prerequisite: None

Sociology is an elective course where students study social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world, the role of culture and social groups.

SOCIOLOGY DUAL CREDIT

KISD #: 0261DC

Grades: 10-12 .5 Credit

Prerequisite: U.S. History

This course is an introduction to the basic elements of society. In looking at human behavior, this course includes an introduction to dynamics of society, culture, social groups, social institutions, socialization, social processes, and social structure.

Advanced Grade Points: Yes

Dual Credit Correlation: SOCI 1301

ADVANCED PLACEMENT® EUROPEAN HISTORY

KISD #: 0226

Grades: 10-12 1 Credit

Prerequisite: None

In AP® European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

PERSONAL FINANCIAL LITERACY (Elective)

KISD #: 0270

Grades: 11-12 .5 Credit

Prerequisite: US History

Personal Financial Literacy is an elective, one-semester course that provides students with the knowledge and skills to make informed financial decisions and understand personal financial responsibility. This is an interactive course that includes topics such as credit card debt, renting and buying a home, starting a small business, investment options, banking, insurance, and methods for paying for college. Students who take this course are not eligible to take the personal financial literacy with economics course.



Physical Education

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

PE - LIFETIME FITNESS & WELLNESS PURSUITS

KISD #: 1603Y or 1604Y

Grades: 9-12 1 Credit

Prerequisite: None

The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

PE - SKILL-BASED LIFETIME ACTIVITIES

KISD #: 1608Y or 1610Y

Grades: 9-12 1 Credit

Prerequisite: None

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students will experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities will participate in a minimum of one lifelong activity from each of the following five categories during the course.

(A) Target games are activities in which students send an object toward a target.

(B) Striking and fielding games are activities in which students strike an object in order to score points within a game.

(C) Fitness activities provide opportunities for students to apply fitness principles to accomplish an objective.

(D) Rhythmic activities provide opportunities for students to demonstrate or create movement sequences with rhythm.

(E) Innovative games and activities with international significance are those games and activities that use new or innovative equipment, have been created by students, or are played internationally.

ATHLETICS - BOYS AND GIRLS

KISD #: varies by sport

Grades: 9-12 Maximum of 4 Credits

Prerequisite: Coach Approval required

Each of the athletes will work out for their sport during their athletic period and after school. Students can double in two sports at the same time if it can be coordinated with the coaches. The student may earn no more than four units of credit in physical education toward state graduation requirements. There are several sports offered for the students in Klein ISD. Athletic Trainer, Baseball, Basketball, Cross Country, Football, Golf, Softball, Soccer, Swimming, Tennis, Track, Volleyball, and Wrestling. Students participating in Athletics will be scheduled into an athletic period. Tryouts and/or off-season programs may be a requirement for participation in some sports.

PE - LIFETIME RECREATION AND OUTDOOR PURSUITS

KISD #: 1602Y

Grades: 9-12 1 Credit

Prerequisite: None

The Lifetime Recreation and Outdoor Pursuits course provides opportunities to develop competency in five or more life-long recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits will participate in activities that promote physical literacy, promote respect for and connection to nature and the environment, and promote opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

ATHLETIC TRAINER 1

KISD #: 1659

Grades: 9-11 1 Credit

Prerequisite: Application and Athletic Trainer Approval

This course is a fundamental level class that provides students the opportunity to study the 6 domains of athletic training. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires an application to be approved by the campus athletic trainers.



Physical Education

ATHLETIC TRAINER 2

KISD #: 1660

Grades: 9-11

1 Credit

Prerequisite: **Application and Athletic Trainer Approval**

This course is a novice level class that requires a prerequisite of "Athletic Trainer 1". The class will continue to develop student's understanding of the 6 domains of athletic training with emphasis on practical applications. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires approval by the campus athletic trainers.

ATHLETIC TRAINER 3

KISD #: 1660

Grades: 9-11

1 Credit

Prerequisite: **Application and Athletic Trainer Approval**

This course is an intermediate level course that requires a prerequisite of "Athletic Trainer 2". Students will apply knowledge gained from previous athletic trainer courses to reinforce their development of practical skills. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires approval by the campus athletic trainers.

ATHLETIC TRAINER 4

KISD #: 1660

Grades: 9-11

1 Credit

Prerequisite: **Application and Athletic Trainer Approval**

This course is an advanced level course that requires a prerequisite of "Athletic Trainer 3". Students will practice and refine their hand-on skills under the guidance of the campus athletic trainer in real-life scenarios. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires approval by the campus athletic trainers.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Other Electives

STUDENT LEADERSHIP

Klein ISD# 9986

Grades: 9-12

1 Credit

Prerequisite: Sponsor selection

Student Leadership is a course designed to provide an opportunity for students to study, practice, and develop group and individual leadership and organizational skills. This is the first-year course for students who want to be in the student council.

STUDENT LEADERSHIP

Klein ISD# 9987

Grades: 10-12

1 Credit

Prerequisite: Sponsor selection

Student Leadership is a course designed to provide an opportunity for students to study, practice, and develop group and individual leadership and organizational skills. This course is a continuation of the state leadership course and it gives students the opportunity to be in the student council. This is a local credit course and does not count as a state graduation credit.

PATH COLLEGE CAREER 1

Klein ISD# 9917

Grades: 9-12

1 Credit

Prerequisite: None

The Path College Career I course provides students with instructional support for advanced-level (honors) courses through the implementation of College and Career Readiness Standards and 21st Century skills (critical thinking, collaboration, communication, and creativity). As an introductory college and career readiness course, Path I College Career develops study skills, research skills, application of critical thinking skills, personal/interpersonal skills, confidence in personal growth through self-reflection, and the habits necessary for continued success in high school, college, and the workforce. In this course, students will be immersed in a college going/career-ready learning environment to ensure those who are enrolled are not just college eligible, but college ready.

Adv Grade Point: No

PATH COLLEGE CAREER 2

Klein ISD# 9925

Grades: 10-12

1 Credit

Prerequisite: PATH COLLEGE CAREER 1

Path College Career II is the second course in a college and career readiness program of study that provides students with instructional support in all college preparatory (honors level), Advanced Placement, International Baccalaureate, and dual enrollment courses through in-class coaching. The course emphasizes the development of habits and skills essential for success in both college and the workforce. Students will explore college and career opportunities that align with their personal interests, engage in ethical decision-making related to real-world and workplace issues, and participate in group community service projects. Additionally, students will prepare for the PSAT, SAT, and ACT exams and scholarship opportunities. Through an immersive online learning environment, the Path elective ensures that students are not only college-eligible, but truly college ready.

Adv Grade Point: No

PATH COLLEGE CAREER 3

Klein ISD# 9926

Grades: 10-12

1 Credit

Prerequisite: PATH COLLEGE CAREER 2

Path College Career III is part of a college and career readiness system that offers students instructional support through in-class coaching. This course emphasizes the development of critical reading and writing skills necessary for success in both first-and second-year postsecondary education and the workforce. Students refine their critical reading, writing, and research abilities across various disciplines, preparing them for the analytical demands of college and professional environments. Students will explore the financial, societal, and cultural implications of their college and career choices, while participating in ethical decision-making through group community service. The course also incorporates traditional college and career planning activities, such as preparing for college entrance exams, financial aid and scholarship applications, and navigating the college admissions process.

Adv Grade Point: No

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PATH COLLEGE CAREER 4

Klein ISD# 9927

Grades: 11-12

1 Credit

Prerequisite:

PATH COLLEGE CAREER 3

Path College Career IV is the final course in a college and career readiness system that offers students instructional support through in-class coaching. Students will explore the financial, societal, and cultural implications of their college and career choices, while participating in the development of a final research portfolio depicting the students' future academic and career plans. The portfolio will include interviews of college admissions experts, analysis of the students' top three selected post-secondary academic institutions, personal financial analysis and payment plan for enrollment in the institution. Additionally, for the students' selected career choice, the research portfolio will demonstrate personal and research-based analysis, as well as interviews with experts in the selected field. Students will give a formal presentation of their product to experts at the end of the year.

Adv Grade Point: No

PATH COLLEGE CAREER: AccuReady

Klein ISD# 9924

Grades: 11-12

1 Credit

Prerequisite:

Completion or concurrent enrollment in Algebra II

Path College Career AccuReady supports the development of essential Texas Success Initiative (TSI) college readiness skills in both English and Mathematics. In order to prepare students for postsecondary pathways and provide instructional support when students are not on track, seniors who have not met CCMR benchmarks by the first day of school may be placed in Path College Career AccuReady. This helps to ensure they receive the necessary support in reading, writing, math, and college readiness to meet graduation and CCMR expectations. Path College Career AccuReady strengthens foundational literacy and numeracy through targeted instruction and provides structured support for students who need to meet TSI or CCMR benchmarks prior to graduation.

Adv Grade Point: No

PATH COLLEGE CAREER: ACT/SAT Prep

Klein ISD# 9932

Grades: 10-12

1 Credit

Prerequisite:

Completion of Algebra II, Meets/Masters grade level on previous STAAR EOCs

Path College Career: ACT/SAT Prep prepares students who completed Algebra 1 or Biology 1 in intermediate school for college admission and success through structured development of SAT/ACT readiness skills strengthening advanced academic practices. Path College Career: ACT/SAT Prep supports students seeking rigorous preparation for college entrance exams by strengthening literacy, numeracy, and critical thinking skills aligned to college and career readiness standards.

Adv Grade Point: Yes

CHEERLEADING 1-4

Grades: 9-12

1 Credit

Prerequisite:

Tryouts

This is a course offered in the fall for students elected to be cheerleaders. Emphasis is placed on physical conditioning, refinement of motor skills, practice of cheers, leadership development and citizenship through group endeavors. During athletic seasons, cheerleaders' practice after school and perform at varsity athletic games. Attendance at all rehearsals and performances is required. Cheerleading will substitute for P.E. only during fall semesters.

Note: *Cheerleading is an approved P.E. substitute during the fall semester. Students are reminded that a maximum of 1 unit for P.E., approved P.E. substitute, or P.E. waiver may count toward graduation. Once a student has earned these maximum P.E. units/ P.E. substitute units / P.E. waivers, the Cheer units will be granted local credit.*

Other Electives

COLORGUARD 1-4

Grades: 9-12 1 Credit
Prerequisite: Audition

The high school color guard is an auxiliary unit of the marching band consisting of flags and rifles. Emphasis is placed on physical conditioning, equipment handling and care, musical choreography and dance, creative self-expression through movement, the refinement of motor skills, and citizenship through group endeavors. During football season the color guard rehearses daily after school with the marching band and performs at all varsity football games and selected marching contests. Attendance at all rehearsals and performances is required. Students must furnish their performance uniform (hat excluded) and footwear.

Note: *Color Guard is an approved P.E. substitute during the fall semester. Students are reminded that a maximum of 1 unit for P.E., approved P.E. substitute, or P.E. waiver may count toward graduation. Once a student has earned these maximum P.E. units/ P.E. substitute units / P.E. waivers, the Color Guard units will be granted local credit.*

ARTS AND ENTERTAINMENT TECHNOLOGIES-ONRAMPS

Klein ISD# 9900OR

Grade: 10-12 1 Credit
Prerequisite: None

Students will experience how the design sector works through team-oriented collaboration and creative, immersive projects. Students will explore topics like graphic design, video game, and sound design; mobile media app creation; and podcasting by creating products using industry-standard tools and software. As students develop college-level skills in time management, collaboration, leadership, and self-motivation, they will earn transferable college credit and build skills for success in college and a career. **Upon successful completion of the course, students can earn 3 hours of UT Austin credit and University of Texas-Austin transcript. Course fee of \$149 required. FAST qualification course.**

Dual Credit Correlation: AET 304

Adv Grade Point: Yes

COLLEGE READINESS AND STUDY SKILLS-DUAL CREDIT

Klein ISD# 9927DC

Grades: 10-12 0.5 Credit
Prerequisite: None

Students in the college success course will be able to identify, describe, and utilize campus support services, systems, and student life opportunities. Students will be able to create a personal money management plan for college success through the use of financial literacy knowledge and skills. The course will assess students' strengths, preferences, college and career success attributes, educational goals, and potential college performance. Students will create an academic plan for success with advisement from college level advisors. **Students enrolled in this course are expected to purchase the required textbook. Course fees required.**

Dual Credit Correlation: EDUC 1300

Advanced Grade Points: Yes

OFFICE AIDE (LOCAL ELECTIVE)

Klein ISD#9989

Grade: 12 1 or 2 Semesters .5 or 1 Credit

Prerequisite: **Counselor Approval (some campuses may require an application or contract)**

These students work in the attendance office, the counselors' office, the library, the clinic, or other offices in need of assistance. They perform sorting, filing, and other office tasks, organize materials, operate the copying machine and other audio-visual equipment, and assist other students in a variety of ways. A student must exhibit satisfactory conduct, grades and behavior and have good attendance to be an office aide. A completed application may be required (see your counselor to learn the campus expectation). This local elective is calculated in the GPA but does not count as an elective for graduation.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



STEM Endorsement

(Science, Technology, Engineering & Math)

Career & Technical Education (CTE)

Advanced Computer Science & Algorithms Program 60

Engineering Design Program 64

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED		
Level 1	Level 1	Level 2	Level 3	Level 4
Fundamentals of Computer Science Gr 7-8 Course ID: 9141J18	AP Computer Science Principles* Gr 9 Course ID: 4902	Computer Science Klein Prep (KP) Gr 10 Course ID: 4900Q	AP Computer Science A* Gr 11 Course ID: 4901	Practicum in Computer Science -OR- Practicum in Computer Science Dual Credit -OR- Independent Study in Computer Science Gr 12 Course ID: 946018 9460DCA18/9460DCB18 4907
* Course Outcome Advanced Placement Qualifying Exam Score				
Algebra I is a prerequisite or corequisite for AP Computer Science Principles. Strong math skills are necessary for success in this Program. The AP Cybersecurity (Gr 10-12) course is affiliated with this CTE Program.				

Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18

Grade: 7 - 8 1 credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No

Industry Certification: None

ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES

KISD Code: 4902

Grade: 9

Grade Points: 6.0 1 credit

Prerequisite/Corequisite: Algebra 1

PEIMS: A3580300

AP® Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

It is important to note that the AP Computer Science Principles course does not have a designated programming language.

Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. **Students must take the AP® exam and submit portfolio tasks to attain college credit.**

Required Fee/Materials: \$10

Industry Certification: None

COMPUTER SCIENCE KLEIN PREP (KP)

KISD Code: 4900Q

Grade: 10 1.0 Credit

Grade Points: 6.0

Prerequisite: Algebra 1 and AP Computer Science Principles

PEIMS: 3580200

Students in Klein ISD advanced Klein Prep (KP) Courses are expected to research, analyze, and propose solutions to real-world problems based on the practice of interdisciplinary study, literary analysis, problem-based learning, communication, collaboration, goal setting, and self-reflection. To demonstrate mastery of academic content and attainment of postsecondary readiness skills, students will create advanced/sophisticated products and presentations. Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. Learn what variables, objects, and arrays are in the context of object-oriented programming. You will do hands-on work to develop algorithms, write code, test and correct errors in computer programs that solve problems or accomplish tasks to a given scenario.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT® COMPUTER SCIENCE A

KISD Code: 4901; 4901L (LOTE)

Grade: 11 2 Credit

Grade Points: 6.0

Prerequisite: Algebra I and Computer Science Klein Prep (KP)

PEIMS: A3580110 (MATH) A3580120(LOTE)

AP® Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. Important: students must understand that any significant computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course. The course emphasizes object-oriented programming and design using the Java programming language. AP® Computer Science A is equivalent to a first-semester, college level course in computer science. **Students must take the AP®**

Exam to attain college credit.

Required Fee/Materials: \$10

Industry Certification: None

Note: Completion of AP® Computer Science Higher Level satisfies one advanced mathematics requirement and one LOTE requirement for graduation.

PRACTICUM IN COMPUTER SCIENCE

KISD Code: 946018

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: AP Computer Science A

PEIMS: 13037400

This course is a project-based course for students to research and develop high-level programming language concepts. Students will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN COMPUTER SCIENCE DUAL CREDIT

KISD Code: 9460DC18

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: AP Computer Science A

PEIMS: 13011111

This course gives the opportunity for students to take two dual credit courses online through Lone Star - University Park. Students will take COSC 1436 (Programming Fundamentals I) in the Fall semester and COSC 1437 (Programming Fundamentals II) and COSC 2436 (Programming Fundamentals III) in the Spring semester. These three courses introduce the concepts of structured programming. Topics include software development methodology, data types, control structures, functions, arrays, mechanics of running, testing, and debugging, definition and use of classes and fundamentals of object-oriented design. The course also includes basic analysis of algorithms, searching and sorting. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: YES

Industry Certification: None

INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE Standard Level (Klein Oak HS Only)

KISD Code: 3426 (accelerated course) or 3426SL1 and 3426SL2

Grade: 11 -12 1 Credit per year of study

Grade Points: 6.0

Prerequisite: One credit of computer science

PEIMS: I3580200

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). IB Computer Science explores how computer science interacts with and influences cultures, society, and how individuals/societies behave, and the ethical issues involved. Students will be able to trace algorithms, utilize software designs, understand arrays, computer systems/networks/algorithms, and design, prototype, and test proposed solutions to unanswered questions. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science SL exam in May; exam fees apply.

Required Fee/Materials: No

Industry Certification: None

Note: Completion of IB Computer Science SL will satisfy one LOTE requirement for graduation.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE Higher Level (Klein Oak HS Only)

KISD Code: 3428HLM

Grade: 12 1 Credit

Grade Points: 6.0

Prerequisite: Successful completion of IB Computer Science SL1

PEIMS: I3580310(MATH) I3580320(LOTE)

Students may choose to enhance the breadth/depth of study in Computer Science by enrolling in IB Computer Science HL following year 1 of IB Computer Science SL. IB Computer Science explores the logic, and technology related issues. Students are expected to write programs using an object-oriented approach, analyze and formulate success criteria, solution specifications, and appropriate techniques with a specified solution.. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science HL exam in May; exam fees apply.

Required Fee/Materials: No

Industry Certification: None

Note: Completion of IB Computer Science Higher Level will satisfy one advanced mathematics requirement and one LOTE requirement for graduation. This course is only offered at Klein Oak as part of the IB Program.

INDEPENDENT STUDY IN COMPUTER SCIENCE I

KISD Code: 4907

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: AP Computer Science A

PEIMS: 3580900

Independent Study in Computer Science is a project-based course for students to research and develop high-level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

ADVANCED PLACEMENT CYBERSECURITY

KISD Code:

Grade: 10-12 1 Credit

Grade Points: 5.5

Prerequisite: Algebra 1

PEIMS:

AP Cybersecurity is a college-level course that introduces students to the principles of protecting digital systems, networks, and data from cyber threats. Through hands-on labs, simulations, and real-world scenarios, students learn to identify vulnerabilities, design layered defenses, detect attacks, and respond to incidents. Successful completion can lead to the AP Cybersecurity Credential, preparing students for college credit and future careers in cybersecurity and information technology. **Students must take the AP® Exam to attain college credit.**

Required Fee/Materials: No

Industry Certification: None

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:**ENTREPRENEURSHIP**

KISD Code: 959418

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

PEIMS: 13011111

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None



CAREER PREPARATION I PROGRAM (Computer Science Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

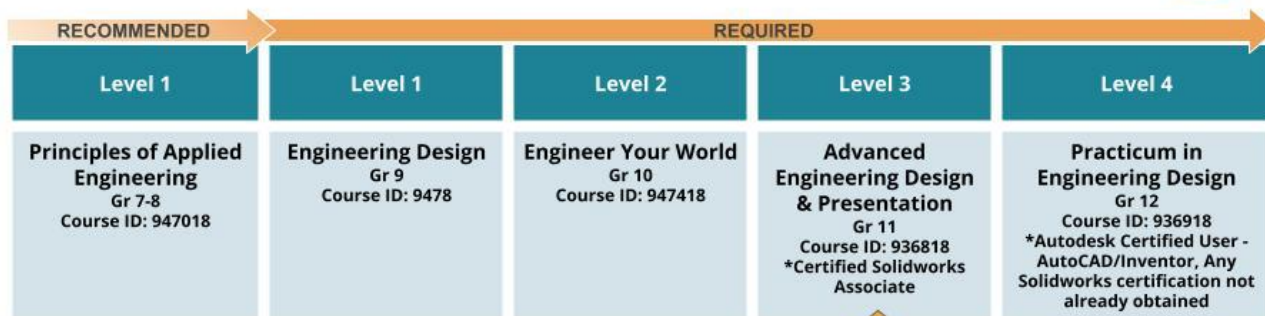
Course Fees

Index



Engineering Design Program

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.



*Industry-Based Certification Course Outcome

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018 PEIMS: 13036200

Grade: 7-8 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

ENGINEERING DESIGN

KISD Code: 9478 PEIMS: 13037350

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

You will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. You will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

ENGINEER YOUR WORLD

KISD Code: 947418 PEIMS: 13036500

Grade: 10 1 Credit

Grade Points: 5.5

Prerequisite: Engineering Design

Developed by a team of University of Texas faculty and NASA engineers, Engineer Your World engages you in authentic engineering practices in a project-based environment. You will complete a series of socially relevant design challenges to develop engineering design skills and habits of mind. This course covers the breadth of engineering fields and professions so that you can make informed decisions about pursuing engineering. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None



ADVANCED ENGINEERING DESIGN AND PRESENTATION

KISD Code: 936818

PEIMS: 13036600

Grade: 11

2 Credit

Grade Points: 5.5

Prerequisite: Engineer Your World

You will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to prototypes. You will use a variety of computer hardware, such as laser engravers and CNC machines, and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: Certified Solidworks Associate

PRACTICUM IN ENGINEERING DESIGN

KISD Code: 936918

PEIMS: 12756080

Grade: 12

2 Credit

Grade Points: 6.0

Prerequisite: Advanced Engineering Design and Presentation

Students in this course will design complex and detailed products and prototypes related to various categories of engineering. Auxiliary views, descriptive geometry, patterns and developments and dimensioning and notation are emphasized. This course will be conducted in a classroom/laboratory setting. You will also have the opportunity to complete training for additional industry certifications. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: OPTIONAL Autodesk Certified User AutoCAD/Inventor, Any Solidworks certification not already obtained

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

PEIMS: 13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Engineering Focus)

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Career & Technical Education (CTE)

AGRICULTURE, FOOD & NATURAL RESOURCES

<u>Agricultural Technology and Mechanical Systems Program</u>	67
<u>Animal Science/Veterinary Medical Assistant Program</u>	69
<u>Environmental & Natural Resources Program</u>	72
<u>Plant & Floral Science Program</u>	74

ARCHITECTURE & CONSTRUCTION

<u>Architectural Design Program</u>	77
<u>Construction Technology Program</u>	79
<u>HVAC & Refrigeration Technology Program</u>	81
<u>Interior Design Program</u>	83

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

<u>Fashion Design Program</u>	85
<u>Video Game Programming & Design/Animation Program</u>	87
<u>New Media Production Program</u>	89
<u>Yearbook Production Program</u>	91

BUSINESS, MARKETING & FINANCE

<u>Accounting & Financial Services Program</u>	93
<u>Business Management</u>	95
<u>Entrepreneurship Program</u>	98
<u>Marketing & Sales Program</u>	100

HOSPITALITY & TOURISM

<u>Culinary Arts Program</u>	103
------------------------------	-----

MANUFACTURING

<u>Robotics Program</u>	105
<u>Welding Program</u>	107

TRANSPORTATION, DISTRIBUTION & LOGISTICS

<u>Automotive Technology Program</u>	109
<u>Outdoor Power Equipment & Small Engine Technology Program</u>	111





Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

KISD Code: 906118
Grade: 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13002200

Students will be introduced to basic theory and gain specialized skills in agricultural mechanics. Skills to be developed include identification and safe use of tools, carpentry, electricity, plumbing, masonry, fencing, painting, hot and cold metalworking, and welding processes. Construction of projects will be included in this course. Students will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40 (Optional \$275 Safety & PPE)
Industry Certification: None

AGRICULTURAL STRUCTURES DESIGN & FABRICATIONS/LAB

KISD Code: 907918
Grade: 11 **2 Credit**
Grade Points: 5.0
Prerequisite: Agriculture Mechanics and Metal Technologies
PEIMS: 13002310

Students will learn the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. Students will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50 (Optional \$275 Safety & PPE)
Industry Certification: American Welding Society D1.1 & D9.1



PRACTICUM IN AGRICULTURAL TECHNOLOGY AND MECHANICAL SYSTEMS

KISD Code: 908618

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Ag Structures Design and Fabrication

PEIMS: 13002500

In this course you will participate in a laboratory-oriented course designed to teach the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65 (Optional \$275 Safety & PPE)

Industry Certification: American Welding Society D1.1 & D9.1

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Agriculture Technology & Mechanics Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

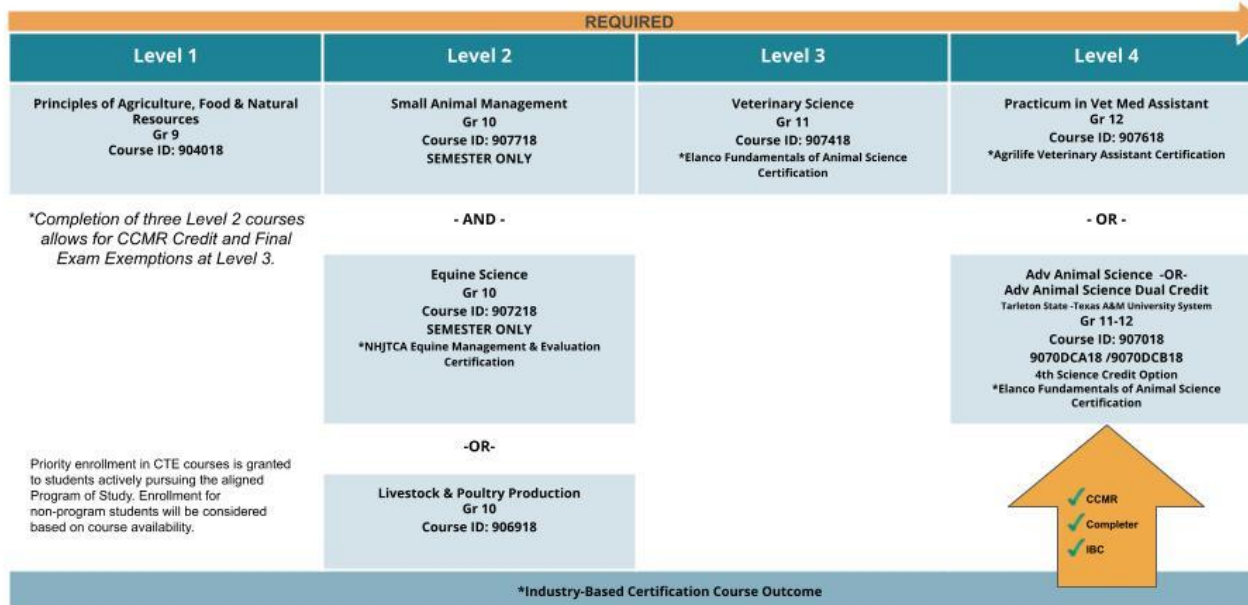
Course Fees

Index





BUSINESS & INDUSTRY ENDORSEMENT



PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

SMALL ANIMAL MANAGEMENT

KISD Code: 907718
Grade: 10 **0.5 Credit**
Grade Points: 5.0
Prerequisite: Principles of Agriculture, Food, & Natural Resources
PEIMS: 13000400

In this course you will be given the opportunity to learn, reinforce, and apply information in a variety of settings in the areas of small animal, systems/business and associations. Subject areas in this course to be covered are, but not limited to, small mammals, amphibians, reptiles, birds, dogs, cats and species-specific information. Study will also highlight ownership, hazards, and welfare of small animals. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

EQUINE SCIENCE

KISD Code: 907218
Grade: 10 **0.5 Credit**
Grade Points: 5.0
Prerequisite: Principles of Agriculture, Food, & Natural Resources
PEIMS: 13000500

This course is an overview of equine science, including equine evolution, breeds and breeding, selection and confirmation, nutrition and feeding, facilities, handling, and health management. You will have the opportunity to explore careers in the equine industry. This course is designed for students exploring the equine industry as a career or in just having a horse as a hobby. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: NHJTCA Equine Management & Evaluation Certification

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



LIVESTOCK & POULTRY PRODUCTION

KISD Code: 906918

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Agriculture, Food & Natural Resources, Small Animal Management, and Equine Science

PEIMS: 13000300

You will develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic livestock. Livestock & Poultry Production will address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. You have the opportunity to study animal systems, animal restraint, business management, and explore career opportunities through this project based course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

VETERINARY MEDICAL APPLICATIONS

KISD Code: 907418

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Small Animal and Equine Science or Livestock and Poultry Production

PEIMS: 13000600

Students will be provided opportunities to demonstrate proper knowledge and skills in the veterinary medicine industry. Topics to be covered in this course are, but not limited to, veterinary practices and knowledge as they relate to both large and small animal species. Subject areas include animal behavior, communication, species/breed information, diseases/disorders, parasites, clinical examinations, imaging equipment, hematology, hospital procedures, and surgical assisting procedures. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: Elanco Veterinary Medical Applications Certification

PRACTICUM VETERINARY MEDICAL ASSISTING

KISD Code: 907618

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Veterinary Medical Applications and Approval Process

PEIMS: 13002500

Students will participate in a continuation of the Veterinary Medical Applications course gaining more in-depth knowledge in animal anatomy, animal disease, treatment techniques, lab procedures, emergency procedures, and clinical operations. Students will be required to participate in clinical rotations, gaining hands-on experiences working in various veterinary assistant positions. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$17 Malpractice Insurance

Industry Certification: Agrilife Veterinary Assistant Certification

ADVANCED ANIMAL SCIENCE

KISD Code: 907018

Grade: 11 - 12 1 Credit

Grade Points: 6

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

PEIMS: 13000700

Are you preparing for a career in the animal science industry? Students who take this course will gain the opportunity to participate in experiments, laboratory explorations, and the study of animal science topics such as reproduction, breeding, genetics, anatomy, physiology, nutrition, health, and the marketing and harvesting of domestic livestock. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: No

Industry Certification: Elanco Fundamentals of Animal Science Certification

Note: 4th Science Credit Option

ADVANCED ANIMAL SCIENCE DUAL CREDIT

KISD Code: 9070DC18

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

PEIMS: 13000700

The scientific study of animal agriculture involving beef cattle, dairy cattle, swine, sheep, goats, and horses. Topics covered will include general management practices, reproduction, nutrition, health, handling, genetic selection, shelter/housing and marketing strategies and procedures. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: YES

Industry Certification: Elanco Fundamentals of Animal Science Certification

Note: 4th Science Credit Option

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

PEIMS: 13011111

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Animal Science Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification:None

WILDLIFE, FISHERIES & ECOLOGY MANAGEMENT

KISD Code: 904618
Grade: 10 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13001500

Interested in the outdoors? In this course you will examine the importance of wildlife and outdoor recreation with emphasis on utilizing wildlife, fish and natural resources and their management practices. Hunter, boater, and angler safety instruction are components of this class. Research into occupational opportunities, identification, and laws associated with game, non-game, fur-bearing and fish species are included. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization.

Required Fee/Materials: No
Industry Certification: Hunter's Safety Certification Exam & Boater Education Certification Exam (Not CCMR Eligible)

ENERGY AND NATURAL RESOURCES

KISD Code: 904818
Grade: 11 1 Credit
Grade Points: 5.0
Prerequisite: Wildlife, Fisheries & Ecology Management
PEIMS: 13001100

You will evaluate the environmental benefits provided by sustainable resources and green technologies. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture. To prepare for careers in environmental service systems, you must attain academic skills and knowledge, acquire advanced technical knowledge and skills related to environmental service systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: Ducks Unlimited Ecology Conservation & Management Certification

SCIENTIFIC RESEARCH AND DESIGN IN NATURAL RESOURCES

KISD Code: 946918

Grade: 12 1 Credit

Grade Points: 6.0

Prerequisite: Energy & Natural Resources

PEIMS: 13037200

Students will explore the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions in relation to natural resources. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Environmental & Natural Resource Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

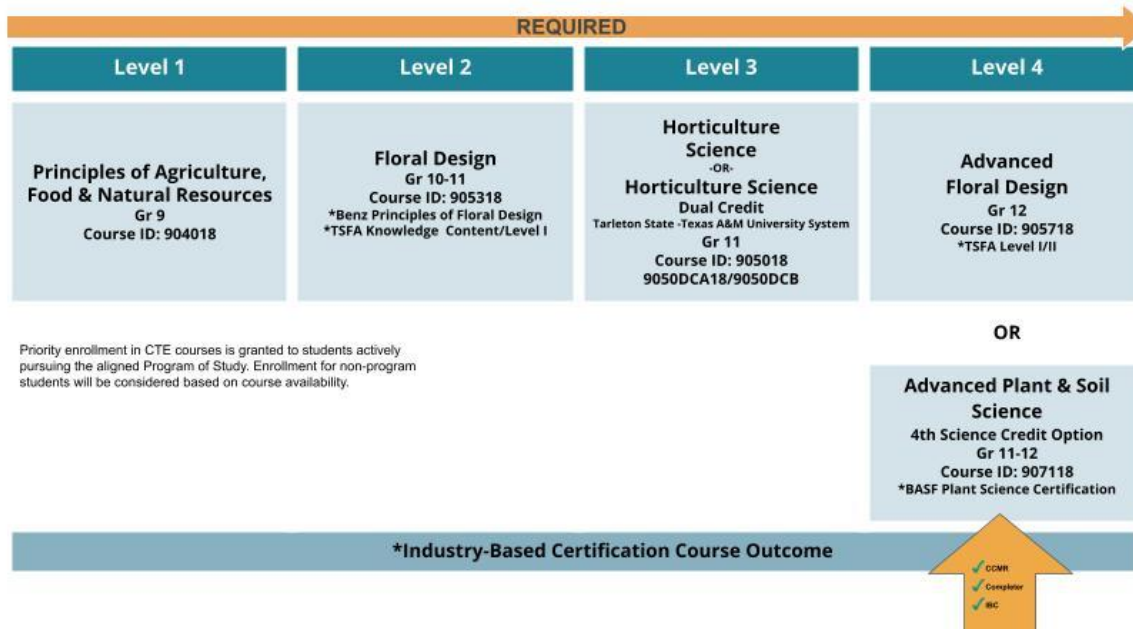
Advanced Academics

College programs

Course Fees

Index





Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

FLORAL DESIGN

KISD Code: 905318
Grade: 10 - 11 **1 Credit**
Grade Points: 5.0
Prerequisite: Principles of Agriculture, Food, and Natural Resources
PEIMS: 13001800

You will develop and examine floral design in relation to arrangement of flowers, foliage, and related plant materials for interior locations. This course incorporates business practices and careers in the floral industry. You will be responsible for purchasing materials or assessed a fee associated with this course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$115

Industry Certification: Benz School of Floral Design Principles of Floral Design Certification

Note: (Optional) Texas State Floral Association Floral Skills Knowledge Content/Level I, this course also counts as a Fine Art credit.

HORTICULTURE SCIENCE

KISD Code: 905018
Grade: 11 **1 Credit**
Grade Points: 5.0
Prerequisite: Floral Design
PEIMS: 13002000

Horticulture Science is designed to develop an understanding of common plant management practices as they relate to food and ornamental plant production. You will participate in a laboratory-oriented course, that includes project based experiences in the greenhouse, designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



HORTICULTURE SCIENCE DUAL CREDIT

KISD Code:9050DC18

Grade: 11 1 Credit

Grade Points: 6.0

Prerequisite: Floral Design

PEIMS: 13002000

Introduction to the horticulture industry and the career opportunities that are available. The course includes an introduction to plant classification and structure, greenhouse construction and management, orchard and vegetable crops, and plant propagation.

Required Fee/Materials: YES

Industry Certification: None

ADVANCED FLORAL DESIGN

KISD Code: 905718

Grade: 12 1 Credit

Grade Points: 5.0

Prerequisite: Horticulture

PEIMS: 13001850

Are you creative and interested in event planning? In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$115

Industry Certification: (Optional) Texas State Floral Association Level 1 or 2

ADVANCED PLANT & SOIL SCIENCE

KISD Code: 907118

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Floral Design or Horticulture Science/Horticulture Science DC and Biology, Integrated Physics and Chemistry, Chemistry, or Physics, Algebra 1 and Geometry

PEIMS: 13002100

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. A majority of this class is based on hands-on, lab and project based learning experiences. Students will also have the opportunity to participate in extended learning experiences, such as the Ag Science Fair, by joining the National FFA Organization. This is a 4th credit option. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: No

Industry Certification: BASF Plant Science Certification

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

PEIMS: 13011111

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CAREER PREPARATION I PROGRAM (Plant & Floral Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Architecture Gr 9 Course ID: 948118	Architectural Design I Gr 10 Course ID: 947218	Architectural Design II Gr 11 Course ID: 947318 *Autodesk Revit	Practicum in Architectural & Interior Design Gr 12 Course ID: 947518 *Autodesk AutoCAD
*Industry-Based Certification Course Outcome			

Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.



PRINCIPLES OF ARCHITECTURE

KISD Code: 948118
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13004210

You will gain knowledge of the various fields of architecture, interior design, and construction management. This course includes communication of architecture related assignments through computer graphics, modeling, and presentations. Students will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10
Industry Certification: None

ARCHITECTURAL DESIGN I

KISD Code: 947218
Grade: 10 **1 Credit**
Grade Points: 5.0
Prerequisite: Principles of Architecture
PEIMS: 13004600

You will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. This course includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scale models for commercial or residential architectural purposes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: None

ARCHITECTURAL DESIGN II

KISD Code: 947318
Grade: 11 **2 Credit**
Grade Points: 5.5
Prerequisite: Architectural Design I
PEIMS: 13004700

This course includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scale models for commercial or residential architectural purposes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: Autodesk Revit



PRACTICUM IN ARCHITECTURAL & INTERIOR DESIGN

KISD Code: 947518

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Architectural Design II or Interior Design II

PEIMS: 13004800

You will participate in a course that promotes independent study which may include internships and professional mentorships. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk AutoCAD

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM(Architecture Focus)

KISD Code: 9683

Grade: 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school, have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Construction Gr 9 Course ID: 961618	Construction Technology I Gr 10 Course ID: 961818	Construction Technology II Gr 11 Course ID: 962018 <small>*HBI Core & Pre-Apprenticeship Certificate Training (PACT), Basic Carpentry</small>	Practicum in Construction Technology Gr 12 Course ID: 961718
*Industry-Based Certification Course Outcome			
This Program is exclusively offered at Klein Forest High School.			

Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.



PRINCIPLES OF CONSTRUCTION

KISD Code: 961618
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13004220

You will develop a solid foundation for entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None
Note: Offered at Klein Forest High School

CONSTRUCTION TECHNOLOGY I

KISD Code: 961818
Grade: 10 **2 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13005100

You will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors. You will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25
Industry Certification: None
Note: Offered at Klein Forest High School

CONSTRUCTION TECHNOLOGY II

KISD Code: 962018
Grade: 11 **2 Credit**
Grade Points: 5.5
Prerequisite: Construction Technology I
PEIMS: 13005200

You will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors. You will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30
Industry Certification: HBI Core & Pre-Apprenticeship Certificate Training (PACT) Basic Carpentry
Note: Offered at Klein Forest High School



PRACTICUM IN CONSTRUCTION TECHNOLOGY

KISD Code: 961718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Construction Technology II

PEIMS: 13005250

Students will continue to build skills needed to enter the workforce in a construction related field. This course is classroom/laboratory based. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: None

Note: Offered at Klein Forest High School

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

PEIMS: 13011111

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Construction Technology Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

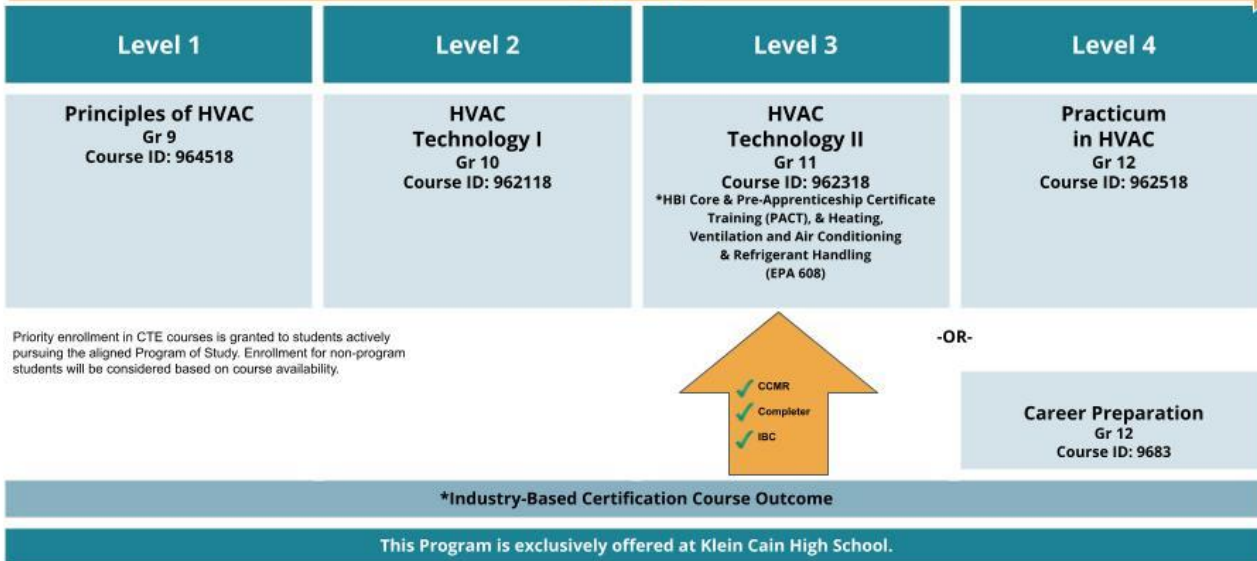


HVAC & Refrigeration Technology Program

BUSINESS & INDUSTRY ENDORSEMENT



REQUIRED



PRINCIPLES OF HVAC

KISD Code: 964518
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13004220

You will develop a solid foundation for entering the HVAC area. The course provides a strong knowledge of HVAC safety, HVAC mathematics, and common hand and power tools. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None
Note: Offered at Klein Cain High School

HVAC & REFRIGERATION TECHNOLOGY I

KISD Code: 962118
Grade: 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13005800

Students will gain knowledge and skills needed to enter the workforce as technicians in the HVAC and refrigeration industry or building maintenance industry. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: None
Note: Offered at Klein Cain High School

HVAC & REFRIGERATION TECHNOLOGY II

KISD Code: 962318
Grade: 11 **2 Credit**
Grade Points: 5.5
Prerequisite: HVAC & Refrigeration Technology I
PEIMS: 13005900

Students will gain advanced knowledge and skills needed to enter the workforce as technicians in the HVAC and refrigeration industry or building maintenance industry. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation and troubleshooting of commercial equipment, duct systems and maintenance practices. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: HBI Core & Pre-Apprenticeship Certificate Training (PACT), Heating Ventilation and Air Conditioning & Refrigerant Handling (EPA 608)
Note: Offered at Klein Cain High School

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PRACTICUM IN HVAC & REFRIGERATION

KISD Code: 962518

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: HVAC & Refrigeration Technology II

PEIMS: 13005250

Students will participate in a course designed to provide job specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in HVAC & Refrigeration Technology. Students will be challenged with the application of gained knowledge and skills from HVAC & Refrigeration Technology I and II. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Offered at Klein Cain High School

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:**ENTREPRENEURSHIP**

KISD Code: 959418

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

PEIMS: 13011111

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (HVAC & Refrigeration Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None





Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.



PRINCIPLES OF ARCHITECTURE

KISD Code: 948118

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13004210

You will gain knowledge of the various fields of architecture, interior design, and construction management. This course includes communication of architecture related assignments through computer graphics, modeling, and presentations. Students will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

INTERIOR DESIGN I

KISD Code: 936018

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Architecture

PEIMS: 13004300

You will gain knowledge of psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. You will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: None

INTERIOR DESIGN II

KISD Code: 936118

Grade: 11 2 Credit

Grade Points: 5.5

Prerequisite: Interior Design I

PEIMS: 13004400

You will participate in a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: Autodesk Certified User in Revit Architecture



PRACTICUM IN ARCHITECTURAL & INTERIOR DESIGN

KISD Code: 947518

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Architectural Design II

PEIMS: 13004800

You will participate in a course that promotes independent study which may include internships and professional mentorships. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM(Interior Design Focus)

KISD Code: 9683

Grade: 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school, have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$15

Industry Certification: None

FASHION DESIGN I

KISD Code: 935618

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13009300

You will participate in a laboratory course and gain the knowledge and skills related to the apparel industry and career preparation. Topics include apparel repair and alterations, managing the apparel dollar and the history of fashion. The production of fibers and fabrics, apparel care, garment construction and maintenance are also covered in this course. Quality apparel construction is addressed as it relates to consumer decision making and career preparation for the apparel industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: None

FASHION DESIGN II

KISD Code: 9358

Grade: 10 1 Credit

Grade Points: 5

Prerequisite: Fashion Design I

PEIMS: 13009400

This course builds on skills learned in Fashion Design I, allowing students to advance their understanding of the fashion industry through design, construction, and production techniques. Students apply principles of design, textiles, and garment construction while developing a professional portfolio and exploring career opportunities in fashion merchandising and design. This course emphasizes creativity, technical skill, and industry-based practices to prepare students for postsecondary study or careers in fashion and related fields. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$45

Industry Certification: None



FASHION DESIGN III & LAB

KISD Code: 935918

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Fashion Design I

PEIMS: 13009410

You will participate in a laboratory course and gain the knowledge and skills related to apparel from the perspectives of personal decision making relating to the apparel industry and career preparation. Topics include apparel repair and alterations, managing the apparel dollar and the history of fashion. The production of fibers and fabrics, apparel care, garment construction and maintenance are also covered in this course. Quality apparel construction is addressed as it relates to consumer decision making and career preparation for the apparel industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator

PRACTICUM IN FASHION DESIGN

KISD Code: 936318

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Fashion Design II and Lab

PEIMS: 13009500

You will demonstrate advanced skills in construction, draping, fitting and pattern making. You will construct detailed garments following trends in the apparel industry.

Required Fee/Materials: \$50

Industry Certification: None

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:**ENTREPRENEURSHIP**

KISD Code: 959418

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

PEIMS: 13011111

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Fashion Design Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None



Video Game Programming & Design/Animation Program

BUSINESS & INDUSTRY ENDORSEMENT



Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$15

Industry Certification: None

VIDEO GAME DESIGN AND ANIMATION

KISD Code: 915118

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13009970

In this course you will explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. You will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. You will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

Required Fee/Materials: \$10

Industry Certification: None

VIDEO GAME PROGRAMMING

KISD Code: 915518

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Video Game Design and Animation

PEIMS: N1300994

Video Game Programming expands on the foundation created in the Video Game Design course through programming languages such as: C# programming, XNA game studio, Java, and Android App. In this course, you will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.

Required Fee/Materials: \$10

Industry Certification: None

ANIMATION I

KISD Code: 947618

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Video Game Design and Animation

PEIMS: 13008300

You will develop technical knowledge and skills needed for success in the animation industry, students will be expected to develop an understanding of the history and techniques of the animation industry. You will use multiple software applications to complete assignments and projects.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED VIDEO GAME PROGRAMMING

KISD Code: 916018

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Video Game Programming or Animation I

PEIMS: N1300995

Advanced Video Game Programming students will be introduced to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of: object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects

Required Fee/Materials: No

Industry Certification: Certified User: Programmer

ANIMATION II

KISD Code: 947718

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Animation I or Video Game Programming

PEIMS: 13008400

This hands-on course allows you to create, edit, and render characters, vehicles, scenes, or objects and to design and produce digital animation using images, video, and audio resources. You will learn design, design history, techniques and tools related to the production of drawings, renderings, and scaled models for commercial or residential purposes.

Required Fee/Materials: No

Industry Certification: Autodesk Certified User - Maya

PRACTICUM IN VIDEO GAME DESIGN & ANIMATION

KISD Code: 949418

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Advanced Video Game Programming

PEIMS:13011111

In addition to developing technical knowledge and skills needed for success in the Video Game Programming & Design program, you will be expected to develop a technical understanding of the industry with a focus on skill proficiency.

Required Fee/Materials: No

Industry Certification:

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Video Game Design and Programming/Animation Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



News Media Production Program

BUSINESS & INDUSTRY ENDORSEMENT



Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

JOURNALISM 1

KISD Code: 150 PEIMS: 3230100
 Grade: 9-12 1 Credit
 Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No
Industry Certification: None

PHOTOJOURNALISM

KISD Code: 158 PEIMS: 3230800
 Grade: 9-12 0.5 Credit
 Grade Points: 5.0

Prerequisite: Sponsor Approval

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No
Industry Certification: None

NEWS MEDIA 1

KISD Code: 194 PEIMS: 3230140
 Grade: 10-12 1 Credit
 Grade Points: 5.5

Prerequisite: Journalism 1 or Photojournalism and/or Sponsor Approval

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on afterschool activities, as assigned.

Required Fee/Materials: \$25
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



NEWS MEDIA 2

KISD Code: 195

PEIMS: 3230150

Grade: 11-12

1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism Newspaper Production 1 and Sponsor Approval

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on afterschool activities, as assigned.

Required Fee/Materials: \$25

Industry Certification: None

NEWS MEDIA 3

KISD Code: 196

PEIMS: 3230160

Grade: 12

1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism Newspaper Production 2 and Sponsor Approval

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.

Required Fee/Materials: \$25

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159 PEIMS: 03231000, 03231011, 03231022

Grade: 11 - 12

1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

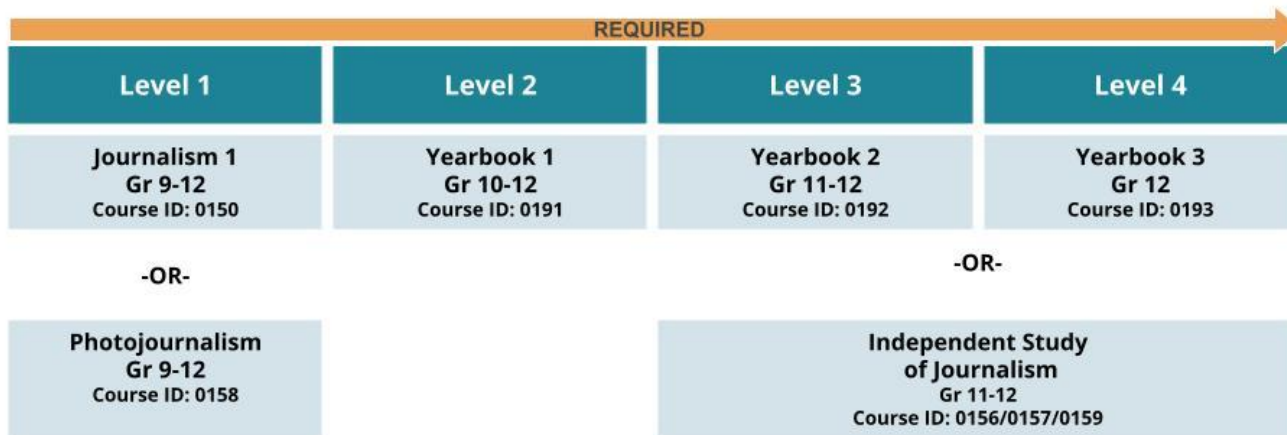
Advanced Academics

College programs

Course Fees

Index





Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

JOURNALISM 1

KISD Code: 150 PEIMS: 3230100
 Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No

Industry Certification: None

PHOTOJOURNALISM

KISD Code: 158 PEIMS: 3230800
 Grade: 9 - 12 0.5 Credit

Grade Points: 5.0

Prerequisite: Sponsor Approval

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: YEARBOOK 1

KISD Code: 191 PEIMS: 3230110
 Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite:

Journalism 1 or Photojournalism and/or Sponsor Approval

Students will work as a team to create a yearbook. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials: No

Industry Certification: None



ADVANCED JOURNALISM: YEARBOOK 2

KISD Code: 192

PEIMS: 3230120

Grade: 11 - 12

1 Credit

Grade Points: 5.5

Prerequisite:

Advanced Journalism: Yearbook 1 and Sponsor Approval

Students will work as a team to create a yearbook. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students are expected to increase involvement and responsibility on staff. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials:

Industry Certification:

No

None

ADVANCED JOURNALISM: YEARBOOK 3

KISD Code: 0193

PEIMS: 3230130

Grade: 12 - 12

1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism: Yearbook 2 and Sponsor Approval

Students will work as a team to create a yearbook. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159 PEIMS: 03231000, 03231011, 03231022

Grade: 11 - 12

1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Accounting & Financial Services Program

BUSINESS & INDUSTRY ENDORSEMENT



PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618 PEIMS: 13011200
 Grade: 7-8 1 Credit
 Grade Points: 5.0
 Prerequisite: None
 Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.
 Required Fee/Materials: No
 Industry Certification: None

FOUNDATIONS OF BUSINESS COMMUNICATION & TECHNOLOGIES

KISD Code: 914418 PEIMS: 13011400
 Grade: 9 1 Credit
 Grade Points: 5.0
 Prerequisite: None
 You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.
 Required Fee/Materials: No
 Industry Certification: None

ACCOUNTING I

KISD Code: 916218 PEIMS: 13016600
 Grade: 10 1 Credit
 Grade Points: 5.0
 Prerequisite: Foundations of Business Communication & Technologies
 Accounting helps individuals and businesses manage their money. Accounting is one of the fastest growing and highly compensated areas of business. This course includes the complete accounting cycle, end-of-period statements, bank reconciliation, payrolls, and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization.
 Required Fee/Materials: No
 Industry Certification: Volunteer Income Tax Assistance (Basic)

ACCOUNTING I DUAL CREDIT

KISD Code: 9162DC18 PEIMS: 13016600
 Grade: 10 1 Credit
 Grade Points: 6.0
 Prerequisite: Foundations of Business Communication & Technologies
 Accounting helps individuals and businesses manage their money. Accounting is one of the fastest growing and highly compensated areas of business. This course includes the complete accounting cycle, end-of-period statements, bank reconciliation, payrolls, and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization.
 Required Fee/Materials: No
 Industry Certification: Volunteer Income Tax Assistance (Basic)

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ACCOUNTING II

KISD Code: 916418

PEIMS: 13016700

Grade: 11

1 Credit

Grade Points: 5.5

Prerequisite: Accounting I

Students will engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Required Fee/Materials: No**Industry Certification:** Quickbooks Certified User, Volunteer Income Tax Assistance (Advanced)**SECURITIES AND INVESTMENTS**

KISD Code: 918418

PEIMS: 13016400

Grade: 12

1 Credit

Grade Points: 5.5

Prerequisite: Accounting II

Students will understand laws and regulations to manage business operations and transactions in the securities industry to assist in making decisions common to the industry. Students will determine client needs and wants and respond through planned, personalized communication to influence purchase decisions and enhance future securities sales opportunities.

Required Fee/Materials: No**Industry Certification:** None**OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:****ENTREPRENEURSHIP**

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification:** None**PRACTICUM IN ENTREPRENEURSHIP**

KISD Code: 959718

PEIMS: 13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification:** None**CAREER PREPARATION I PROGRAM (Accounting & Financial Services Focus)**

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No**Industry Certification:** None

Business Management Program

BUSINESS & INDUSTRY ENDORSEMENT



*Pre-Level course completion allows for CCMR Credit and Final Exam Exemptions at Level 3.

Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.



PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618 **PEIMS:** 13011200
Grade: 7-8 **1 Credit**
Grade Points: 5.0
Prerequisite: None
 Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.
Required Fee/Materials: No
Industry Certification: None

FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES

KISD Code: 914418 **PEIMS:** 13011400
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
 You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.
Required Fee/Materials: No
Industry Certification: None

BUSINESS COMMUNICATION AND TECHNOLOGIES

KISD Code: 915618 **PEIMS:** 13011500
Grade: 10 **1 Credit**
Grade Points: 5.5
Prerequisite: Foundations of Business Communication and Technologies
 You will complete this course with an advanced level of proficiency in word processing, spreadsheets, presentation applications and database. Emphasis will be on Microsoft Word and Excel. Instruction will also provide a certification option in PowerPoint.
Required Fee/Materials: No
Industry Certification: (OPTIONAL) Microsoft Office Specialist: Word Expert/Excel Expert \$78/\$78

BUSINESS COMMUNICATION AND TECHNOLOGIES DUAL CREDIT

KISD Code: 9156DC18 **PEIMS:** 13011500
Grade: 10 **1 Credit**
Grade Points: 6.0
Prerequisite: Foundations of Business Communication and Technologies
 You will study computer terminology, hardware, and software related to the business environment. The focus of this advanced course is on business productivity software applications and professional behavior in computing, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Emphasis will be on Microsoft Word, Excel, Access and PowerPoint and computer based certification software. **Students enrolled in this course are expected to purchase the required textbook.**
Required Fee/Materials: No
Industry Certification: (OPTIONAL) Microsoft Office Specialist: Word Expert/Excel Expert \$78/\$78
Note: BCIS 1305

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



BUSINESS LAW

KISD Code: 917318

PEIMS: 13011700

Grade: 11 - 12

1 Credit

Grade Points: 5.0

Prerequisite: Business Communication and Technologies or Business Communication and Technologies DC

The course provides you with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

Required Fee/Materials: No

Industry Certification: None

BUSINESS LAW DUAL CREDIT

KISD Code: 9173DC18

PEIMS: 13011700

Grade: 11- 12

1 Credit

Grade Points: 6.0

Prerequisite: Business Communication and Technologies or Business Communication and Technologies DC

The course provides you with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: No

Industry Certification: None

Note: BUSI 2301

BUSINESS MANAGEMENT

KISD Code: 912518

PEIMS: 13012100

Grade: 11

1 Credit

Grade Points: 5.0

Prerequisite: Business Information Management II or Business Information Management II Dual Credit or Business Law

Do you have what it takes to run a business? Learn the ins and outs of staffing issues. Who gets hired and who gets fired? Plan, organize, direct, and lead your business using marketing, financial, and ethical strategies and learn what it takes to make management decisions. You will incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Required Fee/Materials: No

Industry Certification:Project Management Institute (PMI) Project Management Ready

PRACTICUM IN BUSINESS MANAGEMENT

KISD Code: 912618

PEIMS: 13012200

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Business Management or Global Business and HR Management if previously taken

Now that you have what it takes to run a business from the courses in the Business Management program, you will work collaboratively with others in real-world business models. Plan, organize, direct, and lead your business using marketing, financial, and ethical strategies and learn what it takes to make management decisions. You will incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Required Fee/Materials: No

Industry Certification: None

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

PEIMS:13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Business Management Focus)

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Entrepreneurship Program

BUSINESS & INDUSTRY ENDORSEMENT



**Pre-Level course completion allows for CCMR Credit and Final Exam Exemptions at Level 3.*

Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

Career Preparation
Gr 11-12
Course ID: 9683

***Industry-Based Certification Course Outcome**

The AP Business with Personal Finance (Gr 10 -12) course is affiliated with this CTE Program.



PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618 **PEIMS:** 13011200
Grade: 7-8 **1 Credit**
Grade Points: 5.0
Prerequisite: None
 Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.
Required Fee/Materials: No
Industry Certification: None

FOUNDATIONS OF BUSINESS COMMUNICATIONS AND TECHNOLOGIES

KISD Code: 914418 **PEIMS:** 13011400
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
 You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.
Required Fee/Materials: No
Industry Certification: None

ENTREPRENEURSHIP

KISD Code: 959418 **PEIMS:** 13034400
Grade: 10 **1 Credit**
Grade Points: 5.0
Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.
 You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.
Required Fee/Materials: No
Industry Certification: None

ENTREPRENEURSHIP II

KISD Code: 959318 **PEIMS:** N1303423
Grade: 11 **1 Credit**
Grade Points: 5.0
Prerequisite: Entrepreneurship
 You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.
Required Fee/Materials: No
Industry Certification: Entrepreneurship and Small Business

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

PEIMS: 13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Entrepreneurship Program)

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618 PEIMS: 13011200
Grade: 7-8 1 Credit

Grade Points: 5.0
Prerequisite: None

Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No
Industry Certification: None

MARKETING

KISD Code: 959118 PEIMS: 13011131
Grade: 9 1 Credit

Grade Points: 5.0
Prerequisite:

Marketing explores the seven core functions of marketing including marketing planning, marketing-information management, pricing, product/service management, channel management, and selling. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

Required Fee/Materials: No
Industry Certification: None

SPORTS & ENTERTAINMENT MARKETING I

KISD Code: 958818 PEIMS: 13034600
Grade: 10 0.5 Credit

Grade Points: 5.0
Prerequisite: Marketing

Students will gain knowledge of marketing concepts and theories that apply to sports and entertainment. This course includes basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Required Fee/Materials: No
Industry Certification: None

SPORTS AND ENTERTAINMENT MARKETING II

KISD Code: 958918

PEIMS: N1303422

Grade: 10

0.5 Credit

Grade Points: 5.0

Prerequisite: Sports and Entertainment Marketing

In this course you will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. You will investigate the components of branding, sponsorships, and endorsements, as well as promotion plans needed for sports and entertainment events. Through this course you will also support career development skills and explore career options.

Required Fee/Materials: No

Industry Certification: None

SOCIAL MEDIA MARKETING

KISD Code: 959218

PEIMS: 13034650

Grade: 11

0.5 Credit

Grade Points: 5.0

Prerequisite: Sports & Entertainment Marketing I/II

This course is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. You will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Required Fee/Materials: No

Industry Certification: Entrepreneurship and Small Business

ADVERTISING

KISD Code: 959518

PEIMS: 13034200

Grade: 11

0.5 Credit

Grade Points: 5.0

Prerequisite: Sports & Entertainment Marketing I/II

Students will gain knowledge of techniques used in the current advertising industry, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion.

Required Fee/Materials: No

Industry Certification: None

ADVANCED MARKETING

KISD Code: 960018

PEIMS: 13034700

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Social Media Marketing/Advertising

In Advanced Marketing, students will gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to solve problems related to marketing. This course covers technology, communication, and customer-service skills.

Required Fee/Materials: No

Industry Certification: Entrepreneurship and Small Business

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

PEIMS:13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Marketing & Sales Focus)

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Culinary Arts Program

BUSINESS & INDUSTRY ENDORSEMENT

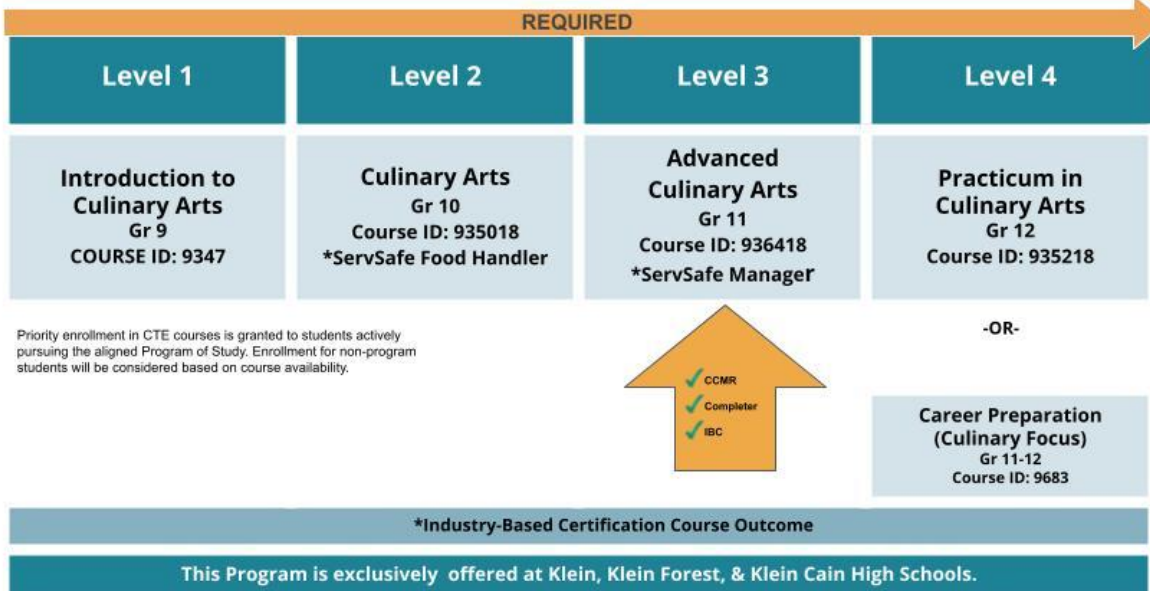


Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

INTRODUCTION TO CULINARY ARTS

KISD Code: 9347 PEIMS: 13022550
 Grade: 9 1 Credit

Grade Points: 5.0
 Prerequisite: None

In this course, students will learn the fundamentals and principles of the art of cooking and the science of baking. Emphasis is placed on food safety and sanitation, kitchen management, and the development of production skills and techniques in a professional kitchen setting. Students will explore culinary terminology, equipment use, basic food preparation, and presentation standards used in the foodservice industry. This laboratory-based course provides hands-on experience designed to simulate real-world culinary operations. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$25

Industry Certification: None

Note: Offered at Klein, Klein Forest and Klein Cain High Schools.

CULINARY ARTS

KISD Code: 935018 PEIMS: 13022600
 Grade: 10 2 Credit

Grade Points: 5.0
 Prerequisite: Introduction to Culinary Arts

You will learn the fundamentals and principles of the art of cooking and the science of baking. Emphasis is placed on safety, management, production skills and techniques in a professional kitchen setting. You can pursue a national sanitation certification, ServSafe Certification, or any other appropriate food industry certification. This course will be offered as a laboratory based course. You are encouraged to participate in extended learning experiences. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$65/\$75

Industry Certification: ServSafe Food Handler

Note: Offered at Klein, Klein Forest and Klein Cain High Schools.



ADVANCED CULINARY ARTS

KISD Code: 936418

PEIMS: 13022650

Grade: 11

2 Credit

Grade Points: 5.5

Prerequisite: Culinary Arts

In this course you will be able to expand your culinary skills, learn management, and leadership practices of the culinary industry. Students are taught employability skills, which include job-specific traits, job interview techniques, communication skills, financial and budgeting activities, human relations, and portfolio development. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$100**Industry Certification:** Servsafe Manager**Notes:** Offered at Klein, Klein Forest and Klein Cain High Schools**PRACTICUM IN CULINARY ARTS**

KISD Code: 935218

PEIMS: 13022700

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Advanced Culinary Arts

Students will participate in a practicum learning experience that combines classroom instruction and actual business and industry career experiences. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$100**Industry Certification:** None**Note:** Offered at Klein, Klein Forest and Klein Cain High Schools**OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:****ENTREPRENEURSHIP**

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification:** None**PRACTICUM IN ENTREPRENEURSHIP**

KISD Code: 959718

PEIMS: 13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification:** None**CAREER PREPARATION I PROGRAM (Fashion Design Focus)**

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

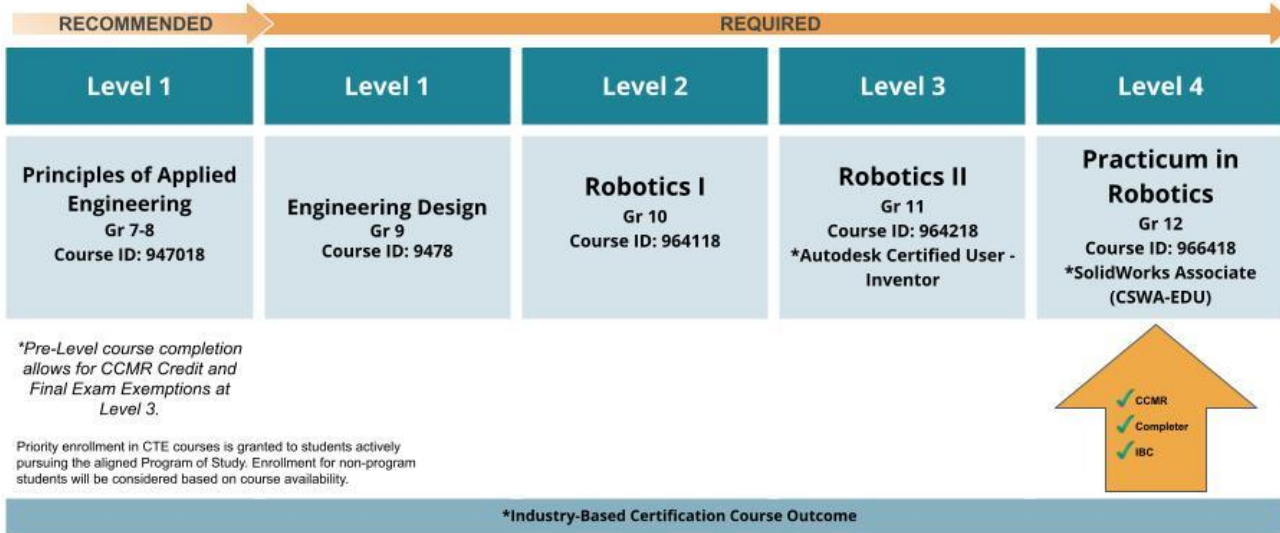
2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No**Industry Certification:** None



- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- College programs
- Course Fees
- Index

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018 **PEIMS: 13036200**
Grade: 7 - 8 **1 Credit**

Grade Points: 5.0

Prerequisite: Strong Math Skills

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects.

Required Fee/Materials: \$10

Industry Certification: Autodesk Certified User in AutoCAD

ENGINEERING DESIGN

KISD Code: 9478 **PEIMS: 13037350**
Grade: 9 **1 Credit**

Grade Points: 5.0

Prerequisite: Strong Math Skills

You will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. You will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

ROBOTICS I

KISD Code: 964118 **PEIMS: 13037000**
Grade: 10 **1 Credit**

Grade Points: 5.0

Prerequisite: Engineering Design & Presentation I

Are you ready to transfer your academic skills to component designs in a project-based environment through implementation of the design process? In this class you will build prototypes or use simulation software to test your designs. Additionally, you will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None



ROBOTICS II

KISD Code: 964218

PEIMS: 13037050

Grade: 11

1 Credit

Grade Points: 5.5

Prerequisite: Robotics I

In this course you will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, you will transfer your academic skills to component designs in a project-based environment. You will construct complex robots or use simulation software to test your prototypes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User - Inventor

PRACTICUM IN ROBOTICS

KISD Code: 966418

PEIMS: 13033000

Grade: 11-12

2 Credit

Grade Points: 5.5

Prerequisite: Robotics II

You will continue to expand their knowledge of automation with complex programming, differentiated types of robotic components and structure design. You will have opportunities to participate in competitions to modify prototype designs. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$20

Industry Certification: SolidWorks Associate (CSWA-EDU)

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Robotics Focus)

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

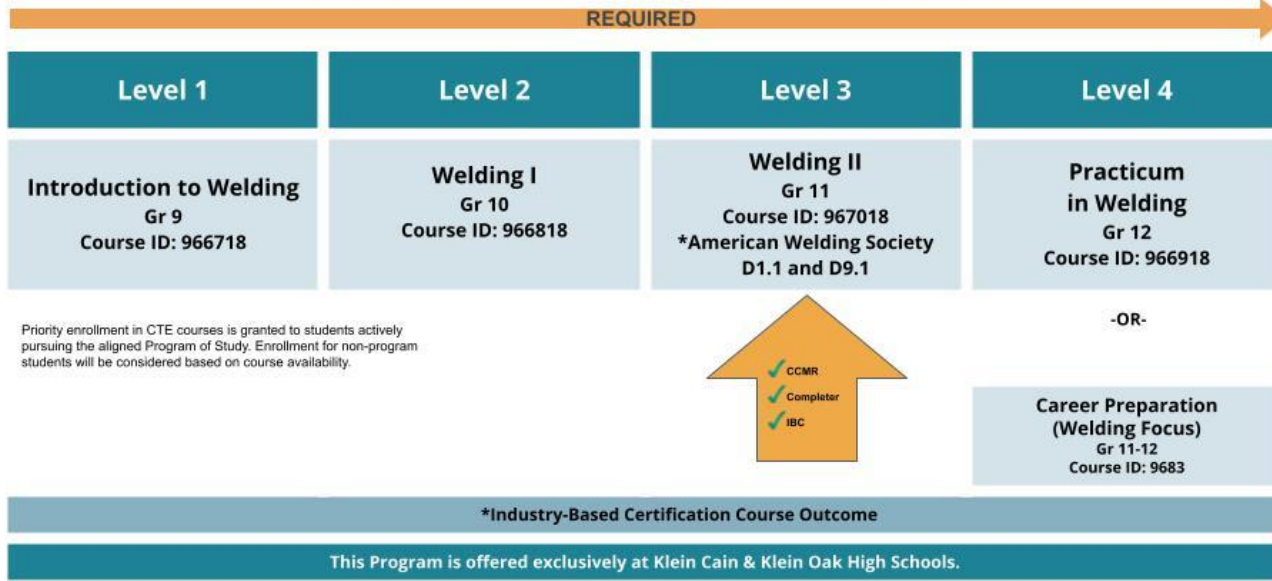
Course Fees

Index



Welding Program

BUSINESS & INDUSTRY ENDORSEMENT



Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

INTRODUCTION TO WELDING

KISD Code: 966718 **PEIMS:** 13032250
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None

Students will gain knowledge of welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25 (Optional \$275 Safety & PPE)
Industry Certification: None
Note: Offered at Klein Cain and Klein Oak High Schools

WELDING I

KISD Code: 966818 **PEIMS:** 13032300
Grade: 10 **2 Credit**
Grade Points: 5.0
Prerequisite: Introduction to Welding

This sequential two-year program is designed to prepare students to be skilled workers and to understand, perform and supervise or inspect a wide variety of welding processes, including gas welding, brazing, flame cutting, plasma cutting, shielded metal arc welding and resistance welding. Introduction to gas metal arc welding, gas tungsten arc welding and flux core welding will also be explored. Students will develop a basic understanding of design for welding fabrication, an understanding of the cost and economics of various types of welding. Students are introduced to the methods of nondestructive and destructive inspection of welds and welded products. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40 (Optional \$275 Safety & PPE)
Industry Certification: None
Note: Transportation Needed: Yes
 Offered at Klein Cain and Klein Oak High Schools

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



WELDING II

KISD Code: 967018

PEIMS: 13032400

Grade: 11

2 Credit

Grade Points: 5.5

Prerequisite: Welding I

Welding II is the second part of a two-year program designed to prepare students to be skilled workers and to understand, perform and supervise or inspect a wide variety of welding processes, including gas welding, flame cutting, plasma cutting, arc gouging, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding and flux core welding. Students will understand non-destructive and destructive inspection of welds and welded products and auxiliary equipment used in the process, such as jigs, fixtures, and tools and equipment related to welding. Students will develop math skills and problem-solving skills used in the welding field. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50 (Optional \$275 Safety & PPE)**Industry Certification: AWS D1.1 and AWS D9.1 Welding****Note:** Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

PRACTICUM IN WELDING

KISD Code: 966918

PEIMS: 13033000

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Welding II

Students in this course will participate in a continuation of Welding II in a lab-based environment. Advanced welding processes, design and weld testing will be the focus of this course.

Required Fee/Materials: \$60 (Optional \$275 Safety & PPE)**Industry Certification: None****Note:** Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:**ENTREPRENEURSHIP**

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification: None****PRACTICUM IN ENTREPRENEURSHIP**

KISD Code: 959718

PEIMS: 13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification: None****CAREER PREPARATION I PROGRAM (Welding Focus)**

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

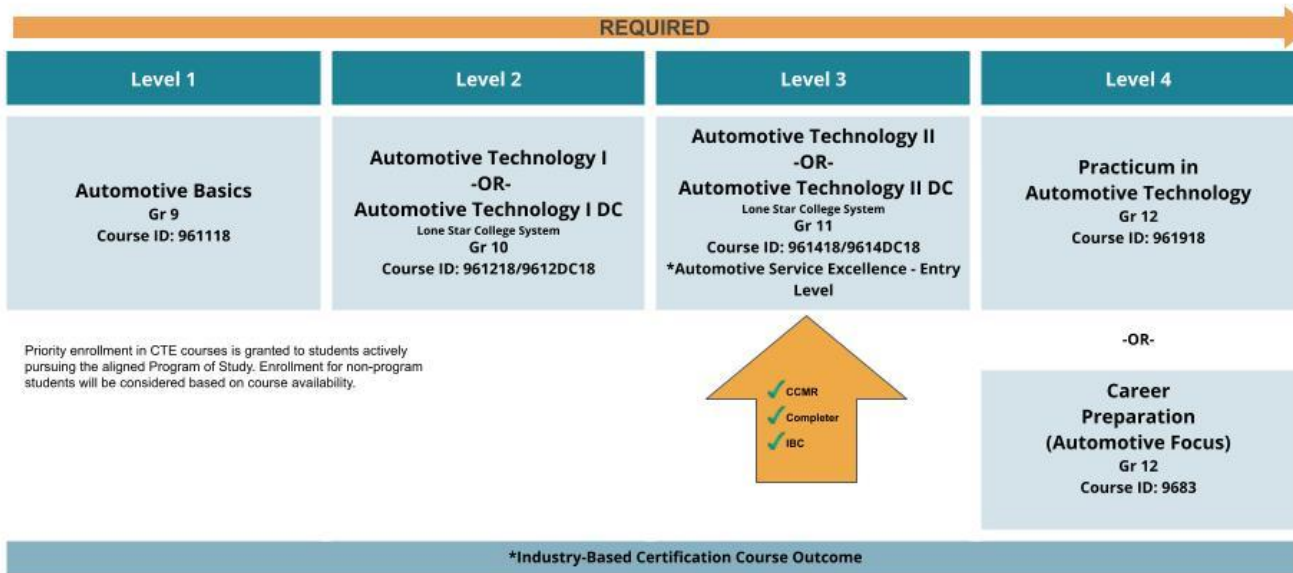
2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No**Industry Certification: None**



Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

AUTOMOTIVE BASICS

KISD Code: 961118 **PEIMS:** 13039550
Grade: 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None

Students will learn basic automotive systems, the theory and principles of the components that make up each system, and how to service these systems, including applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: None

AUTOMOTIVE TECHNOLOGY I or DC

KISD Code: 961218/DC18 **PEIMS:** 13039600
Grade: 10 **2 Credit**
Grade Points: 5.0/DC 6.0
Prerequisite: Automotive Basics

This sequential two-year program is designed to train students through classroom instruction, interactive computer application, and lab experiences. Students will be taught fundamentals and operation of all major automotive systems. Students will demonstrate knowledge of the concepts and skills related to the following automotive areas: (1) Brakes, (2) Steering and Suspension, (3) Electrical and Electronic Systems, and (4) Engine Performance. Special emphasis is placed on professional work ethics and safety. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65
Industry Certification: ASE - Entry Level Student Certifications

AUTOMOTIVE TECHNOLOGY II or DC

KISD Code: 961418/DC18 **PEIMS:** 13039700
Grade: 11 **2 Credit**
Grade Points: 5.5/DC 6.0
Prerequisite: Automotive Technology I

This course is a continuation of Automotive Technology and is designed to train you through classroom instruction, interactive computer application, and lab experiences. You will demonstrate knowledge of the concepts and skills related to the following automotive areas: (a) Brakes, (b) Steering and Suspension, (c) Electrical and Electronic Systems, and (d) Engine Performance. Special emphasis is placed on professional work ethics and safety. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65
Industry Certification: ASE - Entry Level Student Certifications



PRACTICUM IN AUTOMOTIVE TECHNOLOGY

KISD Code: 961918

PEIMS: 13040450

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Automotive Technology II

You will participate in a course designed to provide job specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in Automotive Technology. You will be challenged with the application of gained knowledge and skills from Automotive Technology I and II. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65**Industry Certification:** None**OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:****ENTREPRENEURSHIP**

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification:** None**PRACTICUM IN ENTREPRENEURSHIP**

KISD Code: 959718

PEIMS: 13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No**Industry Certification:** None**CAREER PREPARATION I PROGRAM (Automotive Technology Focus)**

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

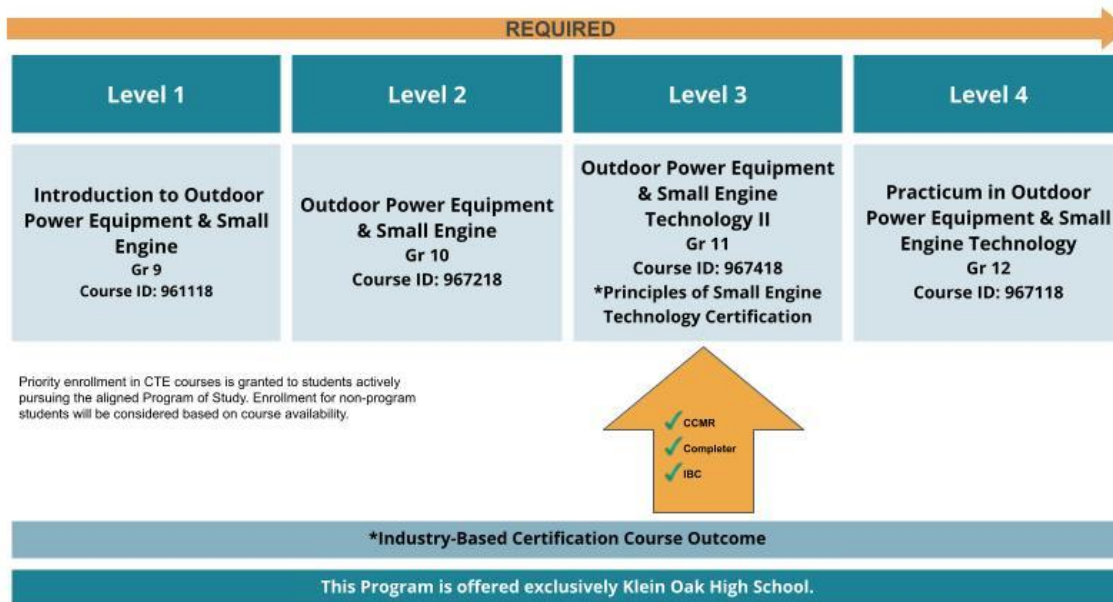
2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No**Industry Certification:** None



Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

INTRODUCTION TO OUTDOOR POWER EQUIPMENT & SMALL ENGINE

KISD Code: 961118 PEIMS: 13039550
Grade: 9 1 Credit

Grade Points: 5.0
Prerequisite: None

This introductory course is designed to provide students with a foundational understanding of air- and liquid-cooled engine technology. Students will explore the basic function, operation, and maintenance of small engines used in lawn care and irrigation equipment. Emphasis is placed on developing introductory skills in inspecting, servicing, and performing limited repairs on cooling systems, air cleaners, fuel systems, lubrication systems, and starter/ignition systems. Instruction also includes training in shop and equipment safety, tool identification, and the development of academic, leadership, and career-readiness skills related to the small engine industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: None
Note: Offered at Klein Oak High School

OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY I

KISD Code: 967218 PEIMS: 13040000
Grade: 10 1 Credit

Grade Points: 5.0
Prerequisite: Introduction to Outdoor Power Equipment & Small Engine Technology

This sequential two-year program is designed to provide training for entry-level employment in the air and liquid cooled engine technology industry. Skills developed include knowledge of the function, limited diagnosis and service of the systems and components of all types of lawn care equipment and irrigation engines. Instruction consists of repairing and servicing cooling systems, air cleaners, fuel systems, lubricating systems, and starter/ignition systems. In addition, you will receive instruction in safety, academic, leadership skills and career opportunities. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: None
Note: Offered at Klein Oak High School

OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY II

KISD Code: 967418 PEIMS: 13040100
Grade: 11 2 Credit

Grade Points: 5.0
Prerequisite: Outdoor Power Equipment & Small Engine Technology I

This course is a continuation of Small Engine Technology and will include advanced knowledge of the function, diagnosis, and service of the systems and components of all types of lawn equipment, motorcycle, marine engines, and irrigation engines. In this course you will repair and service cooling systems, fuel systems, lubrication systems, electrical/ignition systems, and mechanical systems. In addition, you will receive instruction in safety, academic, leadership skills and career opportunities. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: \$15
Industry Certification: Principles of Small Engine Technology Certifications
Note: Offered at Klein Oak High School



PRACTICUM IN OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY

KISD Code: 967118

PEIMS: 13040450

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Outdoor Power Equipment & Small Engine Technology II

Students will participate in a course designed to provide job specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in small engine technology.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein Oak High School

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418

PEIMS: 13034400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

PEIMS:13011111

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM (Small Engine Focus)

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences.

You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Public Service Endorsement

Career & Technical Education (CTE)

<u>Early Learning Program</u>	<u>114</u>
<u>Teaching & Training Program</u>	<u>116</u>
<u>Emergency Medical Technician Program</u>	<u>118</u>
<u>Health Science Clinical Program</u>	<u>120</u>
<u>Biomedical Science Program</u>	<u>122</u>
<u>Pharmacy Program</u>	<u>124</u>
<u>Healthcare Diagnostics Program</u>	<u>126</u>
<u>Exercise Science & Wellness Program</u>	<u>128</u>
<u>Cosmetology & Barbering Program</u>	<u>131</u>
<u>Law & Public Safety Program</u>	<u>133</u>
<u>JROTC</u>	<u>135</u>
<u>Other Non-Program Courses</u>	<u>138</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118 PEIMS: 13024200
Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: None

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings.

Required Fee/Materials: \$20/\$20

Industry Certification: None

PRINCIPLES OF EDUCATION & TRAINING

KISD Code: 932918 PEIMS: 13014200
Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: None

In this course, you will gain knowledge of the various careers available within the Education and Training program. You will use self-knowledge as well as educational and career information to analyze various careers and develop a graduation plan that leads to a specific career choice in your interest area. This course focuses on introducing the practices of planning, managing, and providing education and training services and related learning support services.

Required Fee/Materials: No

Industry Certification: None

CHILD DEVELOPMENT

KISD Code: 933518 PEIMS: 13024700
Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Education & Training

You will gain knowledge and skills related to prenatal development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include family management, characteristics of quality childcare, and career options related to the care and education of children.

Required Fee/Materials: \$30

Industry Certification: None

CHILD GUIDANCE

KISD Code: 933618

PEIMS: 13024800

Grade: 11

2 Credit

Grade Points: 5.5

Prerequisite: Child Development and Approval Process

Child Guidance focuses on understanding child growth and development while building the skills needed to create positive, nurturing relationships with children. Students learn effective caregiver techniques to support the well-being and healthy development of children in diverse and inclusive settings. Through hands-on experiences in classroom labs students prepare for careers in child care, early education, and related human services fields. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40

Industry Certification: None

Note: Approval Process: Yes

PRACTICUM IN EARLY LEARNING

KISD Code: 933818

PEIMS: 13014520

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Child Guidance and Approval Process

Practicum in Early Learning is a hands-on course designed for students interested in careers working with young children. Students gain real-world experience in early childhood settings while applying knowledge of child development and effective teaching practices. Under the supervision of a teacher facilitator students plan and lead activities, create instructional materials, assist with classroom management, and support the daily operations of early learning environments. This course prepares students for future roles as educators, caregivers, or early childhood professionals.

Required Fee/Materials: \$40

Industry Certification: Educational Aide I Certification

Note: Approval Process: Yes

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Early Learning Focus)

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Teaching & Training Program

PUBLIC SERVICE ENDORSEMENT



Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.



*Industry-Based Certification Course Outcome

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118 PEIMS: 13024200

Grade: 7-8

1 Credit

Grade Points: 5.0

Prerequisite: None

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings.

Required Fee/Materials: \$20/\$20

Industry Certification: None

PRINCIPLES OF EDUCATION & TRAINING

KISD Code: 932918 PEIMS: 13014200

Grade: 9

1 Credit

Grade Points: 5.0

Prerequisite: None

In this course, you will gain knowledge of the various careers available within the Education and Training program. You will use self-knowledge as well as educational and career information to analyze various careers and develop a graduation plan that leads to a specific career choice in your interest area. This course focuses on introducing the practices of planning, managing, and providing education and training services and related learning support services.

Required Fee/Materials: No

Industry Certification: None

CHILD DEVELOPMENT

KISD Code: 933518 PEIMS: 13024700

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Principles of Education & Training

You will gain knowledge and skills related to prenatal development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include family management, characteristics of quality childcare, and career options related to the care and education of children.

Required Fee/Materials: \$30

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING

KISD Code: 933318

PEIMS: 13014400

Grade: 11

2 Credit

Grade Points: 5.5

Prerequisite: Human Growth & Development or Child Development

You will participate in a field-based internship that improves knowledge of child and adolescent development, as well as principles of effective teaching and training practices. You will be placed at either the elementary or intermediate school level with a field-site teacher. You will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40**Industry Certification:** Educational Aide I Certification**Note:** Transportation Needed: Yes

Approval Process: Yes

PRACTICUM IN EDUCATION AND TRAINING

KISD Code: 933418

PEIMS: 13014500

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Instructional Practices in Education and Training

If you wish to continue a second year of the field-based internship, you may pursue the practicum course. You will be placed at either the elementary or intermediate school level with a fieldsite teacher. You will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$35**Industry Certification:** Educational Aide I Certification**Note:** Transportation Needed: Yes

Approval Process: Yes

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:**CAREER PREPARATION I PROGRAM (Teaching & Training Focus)**

KISD Code: 9683

PEIMS: 12701121

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

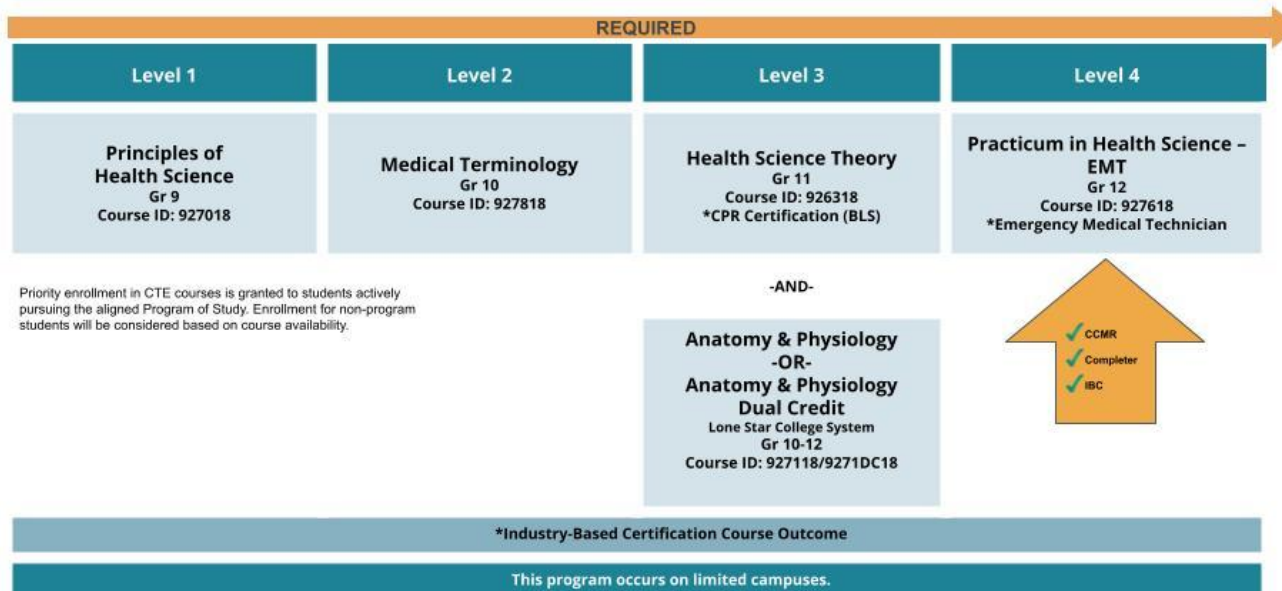
A work-based learning program that combines occupationally related classroom instruction and work-based experiences.

You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No**Industry Certification:** None

Emergency Medical Technician Program

PUBLIC SERVICE AND/OR STEM ENDORSEMENT



PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
 Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No
Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300
 Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No
Industry Certification: None

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400
 Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$15
Industry Certification: CPR Certification (BLS) (Not CCMR Eligible)

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE - EMT

KISD Code: 927618 PEIMS: 13020500

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Health Science Theory and Anatomy and Physiology

Age Requirement: Students must be 18 years of age on or before May 1st of their 12h grade year. Students who do not meet the age requirement by a few days may submit the interest form for consideration of acceptance if space is available.

Are you interested in becoming an EMT? Students in this course will gain knowledge and skills related to patient assessment, spinal immobilization, trauma management, treatment of medical emergencies, and mechanical aids to breathing. Participation requires an additional twenty-four (24) hours of ambulance experience, twelve (12) hours of emergency room observation, four (4) hours in the communication center and eight (8) hours for extrication day events. The student must submit documentation for the following: (1) current TB skin test, (2) ten panel drug screening, (3) influenza vaccination, (4) physical examination, (5) documentation of current/updated immunizations, and (6) valid Social Security Number. Student uniform, blood pressure cuff, stethoscope, trauma scissors, penlight, and safety glasses are required prior to contact with patients. Additional requirements or changes in printed requirements are subject to change due to agreements with partnering EMT agencies. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$350/\$17 May be variable based on provider

All required fees associated with this course must be paid prior to the course drop date to remain in the course.

Industry Certification: Emergency Medical Technician

Students are required to verify their COVID-19 vaccination records.

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Health Science Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

-AND-

**Anatomy & Physiology
-OR-
Anatomy & Physiology
Dual Credit**
Lone Star College System
Gr 10-12
Course ID: 927118/9271DC18



*Industry-Based Certification Course Outcome

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300
Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400
Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$15

Industry Certification: CPR Certification (BLS) (Not CCMR Eligible)



ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE - CLINICAL

KISD Code: 927918

PEIMS: 13020500

Grade: 12

2 Credit

Grade Points: 6.0

Prerequisite: Health Science Theory and Anatomy and Physiology and CPR Certification Approval Process

Through this course, students will develop knowledge and skills related to a wide variety of health careers. Students will observe and assist professional health care personnel in clinical/hospital environments. Students must submit documentation of the following health screenings/status: Tuberculin skin test, proof of Rubella and Rubeola immunity, Varicella immunity, TDAP and Hepatitis B series immunization is required. Due to specific clinical/hospital requirements, students may be required to pass a criminal background check, drug screening, and/or verify personal health insurance coverage with an insurer approved by the hospital/facility in order to participate in the course. Some of the hospital agreements may require students to provide documentation of citizenship status and/or a social security number. Students will be notified at the beginning of the course if other facilities have additional requirements. A uniform, name tag, stethoscope and professional liability insurance is required. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to provide the following proof identification to take their certification exam(s): a current government-issued photo ID, such as a driver's license or passport and it should include a current photograph, the student's signature, and the student's permanent address.

Required Fee/Materials: \$100 (\$17 to be used for Malpractice Insurance)

Industry Certification: Certified Medical Assistant

Note:* Malpractice Insurance

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Health Science Focus)

KISD Code: 9683

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED

Level 1	Level 2	Level 3	Level 4
<p>Principles of Health Science Gr 9 Course ID: 927018</p>	<p>Medical Terminology Gr 10 Course ID: 927818</p>	<p>Anatomy & Physiology -OR- Anatomy & Physiology Dual Credit Lone Star College System Gr 10-12 Course ID: 927118 9292DCA18/9292DCB18</p>	<p>Pathophysiology Gr 11-12 Course ID: 928218</p>

-AND/OR-

<p>Medical Microbiology -OR- Medical Microbiology Dual Credit Lone Star College System Gr 11-12 Course ID: 928118 9281DCA18/9281DCB18</p>
--

Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300
Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600
Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I and Medical Terminology or Kinesiology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None



ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: **Biology I and Chemistry I**

Prerequisite for Health Science Practicums: **Principles of Health Science and Medical Terminology**

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

MEDICAL MICROBIOLOGY

KISD Code: 928118 PEIMS: 13020700

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: **Biology I and Chemistry I**

Prerequisite for Biomedical Science Program: **Medical Terminology**

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Suggested Concurrent Enrollment in A&P or A&P DC 4th Science Credit Option

MEDICAL MICROBIOLOGY DUAL CREDIT

KISD Code: 9281DC18 PEIMS: 13020700

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: **Biology I and Chemistry I**

Prerequisite for Biomedical Science Program: **Medical Terminology**

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes

Industry Certification: None

Note: Dual Credit Correlation BIOL 2420

PATHOPHYSIOLOGY

KISD Code: 928218 PEIMS: 13020800

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: **Anatomy and Physiology and/or Medical Microbiology**

Students will conduct laboratory and field investigations, use scientific methods during investigations, make informed decisions using critical thinking and scientific problem-solving and demonstrate professional standards as related to business and industry. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: 4th Science Credit Option

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Health Science Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: **At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.**

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





Priority enrollment in CTE courses is granted to students actively pursuing the aligned Program of Study. Enrollment for non-program students will be considered based on course availability.

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
 Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300
 Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400
 Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$15

Industry Certification: CPR Certification (BLS) (Not CCMR Eligible)



ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I**Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology**

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee**Industry Certification: None****ANATOMY & PHYSIOLOGY DUAL CREDIT**

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I**Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology**

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee**Industry Certification: None****Note:**Dual Credit Correlation: BIOL 2401**PRACTICUM IN HEALTH SCIENCE - CERTIFIED PHARMACY TECHNICIAN**

KISD Code: 927718

PEIMS: 13020500

Grade: 12

2 Credit

Grade Points: 6.0

Prerequisite: Health Science Theory and Anatomy and Physiology

You will gain knowledge and skills for certification as a Certified Pharmacy Technician. Course is comprised of classroom instruction, lab applications, and independent study. You will learn federal and state law pertaining to the pharmacy industry, drug classifications, medical terminology, ethical and legal issues, safety, aseptic technique, calculations, career opportunities, and pharmacy operations. Upon successful completion of the course, you will be eligible to test for the national Certified Pharmacy Technician certification. Students will need one form of valid, unexpired, government issued ID with a photograph and signature, such as a driver's license, passport, or military ID in order to certify. Other acceptable forms include state-issued ID card, permanent resident card, or employment authorization card. You must provide proof of a high school diploma to receive certification. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.

Required Fee/Materials: \$100**Industry Certification: Certified Pharmacy Technician****OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:****CAREER PREPARATION I PROGRAM (Health Science Focus)**

KISD Code: 9683

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No**Industry Certification: None**



Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
 Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300
 Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400
 Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$15

Industry Certification: CPR Certification (BLS) (Not CCMR Eligible)



ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Health Science Practicums: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE- DIAGNOSTICS

KISD Code: 926218

PEIMS: 13020500

Grade: 12

2 Credit

Grade Points: 6.0

Prerequisite: Health Science Theory and Anatomy and Physiology

Are you interested in pursuing a career in the health care diagnostic industry? Students in this course will learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students will recognize that quality health care depends on their ability to work well with others. This course comprises diagnostic services and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students will learn about the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue health science certifications such as Certified Medical Assistant and Certified EKG Technician. Students will be required to provide the following proof identification to take their certification exam(s): a current government-issued photo ID, such as a driver's license or passport and it should include a current photograph, the student's signature, and the student's permanent address. Through this course students will be able to participate in extended learning experiences through the HOSA organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$150

Industry Certification: Phlebotomy Technician and Certified EKG Technician

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Health Science Focus)

KISD Code: 9683

Grade: 11 - 12

2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

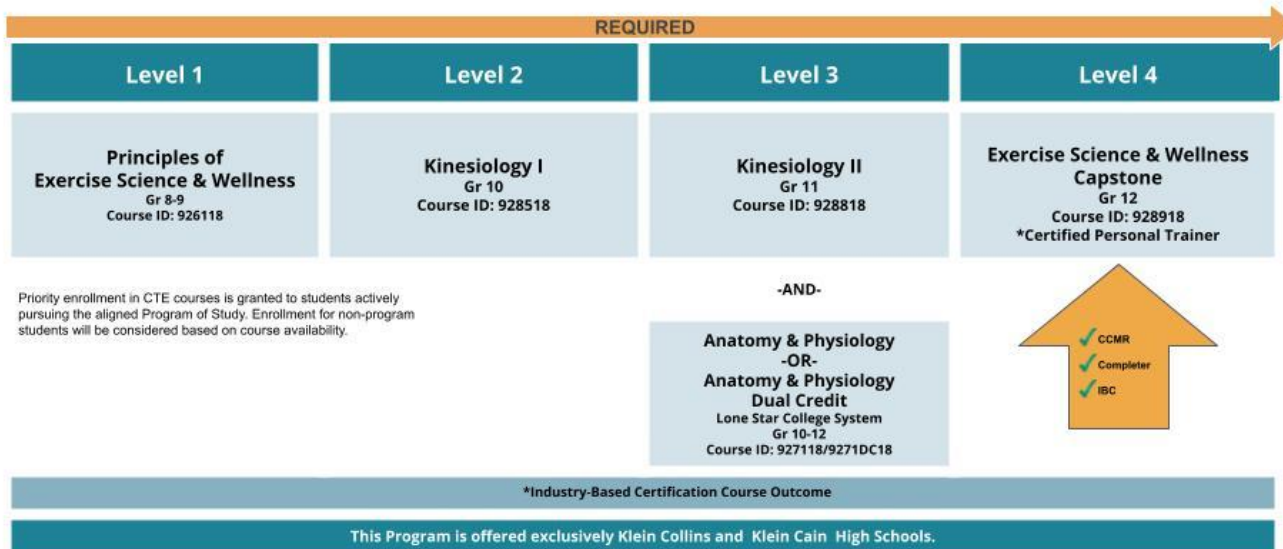
Advanced Academics

College programs

Course Fees

Index





PRINCIPLES OF EXERCISE SCIENCE & WELLNESS

KISD Code: 926118 **PEIMS:** N1302107
Grade: 8-9 **1 Credit**
Grade Points: 5.0
Prerequisite:

The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and increase their interest in the various careers available in these fields.

Required Fee/Materials: No
Industry Certification: None

KINESIOLOGY I

KISD Code: 928518 **PEIMS:** N1302104
Grade: 10 **1 Credit**
Grade Points: 5.0

Prerequisite: Principles of Exercise Science & Wellness

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

Required Fee/Materials: No
Industry Certification: None

KINESIOLOGY II

KISD Code: 928818 **PEIMS:** N1302124
Grade: 11 **1 Credit**
Grade Points: 5.0

Prerequisite: Kinesiology I

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. The course is designed to allow students to advance their understanding of professional standards, employability skills, and ethical and legal standards. Throughout this course, students explore the healthcare/exercise business model and gain an understanding of therapeutic sports psychology. Students develop proper aerobic fitness programs and rehabilitation programs.

Required Fee/Materials: No
Industry Certification: None



ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600
Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Exercise & Wellness Capstone: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600
Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Prerequisite for Exercise & Wellness Capstone: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

Exercise Science & Wellness Capstone

KISD Code: 928918 PEIMS: 12701011
Grade: 12 1 Credit

Grade Points: 5

Prerequisite: Kinesiology II and Anatomy & Physiology

The capstone course offers students in the Exercise Science and Wellness program an opportunity to gain practical experience as it relates to each student's educational and career goals. Emphasis will be placed on professionalism, employment strategies, career options, and current issues in the health and fitness field. At the completion of the course the student prepares a professional portfolio and sits for the Certified Personal Trainer certification exam.

Required Fee/Materials: No

Industry Certification: Certified Personal Trainer

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

ENTREPRENEURSHIP

KISD Code: 959418
Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718
Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II or successful completion of at least two courses in a CTE program.

PEIMS: 13011111

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CAREER PREPARATION I PROGRAM (Health Science Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) , Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Cosmetology & Barbering Program

PUBLIC SERVICE ENDORSEMENT

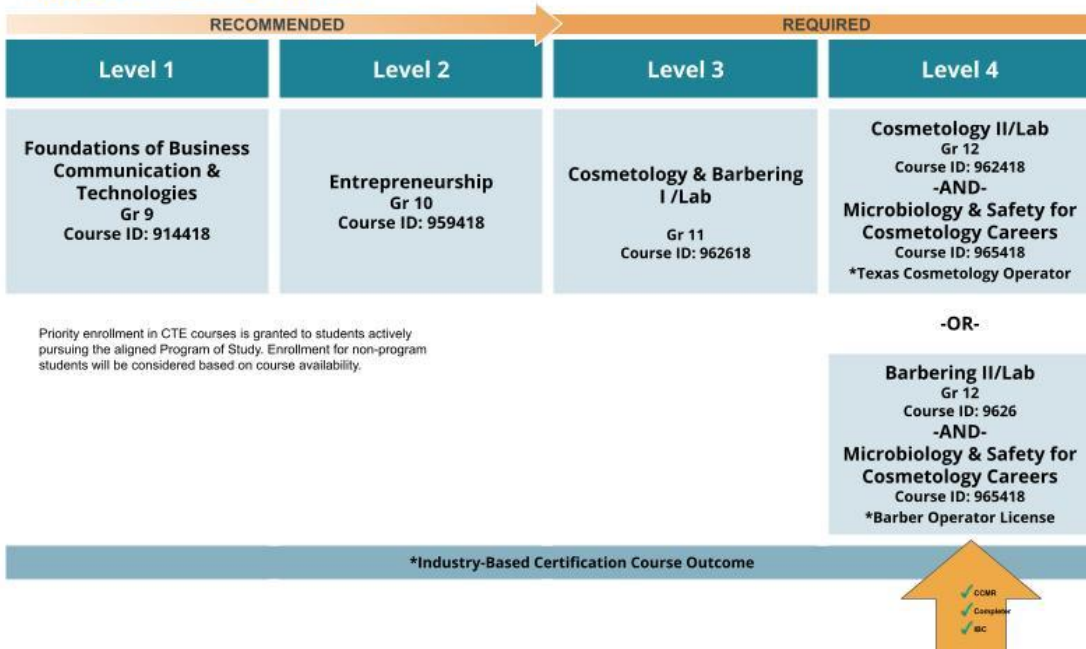


Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

FOUNDATIONS OF BUSINESS COMMUNICATIONS AND TECHNOLOGIES

KISD Code: 914418 PEIMS: 13011400
 Grade: 9 1 Credit
 Grade Points: 5.0
 Prerequisite: None
 You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.
 Required Fee/Materials: No
 Industry Certification: None

ENTREPRENEURSHIP

KISD Code: 959418 PEIMS: 13034400
 Grade: 10 1 Credit
 Grade Points: 5.0
 Prerequisite: Foundations of Business Communication and Technologies for the Entrepreneurship Program or successful completion of a Level 1 course in a CTE Program.
 You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.
 Required Fee/Materials: No
 Industry Certification: None

COSMETOLOGY & BARBERING I/LAB

KISD Code: 962618 PEIMS: 13025210
 Grade: 11 3 Credit
 Grade Points: 5.0
 Prerequisite: Approval Process
 Students will participate in a two-year program designed to teach the profession of beauty culture. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Occupational opportunities are hairstylist, platform artist, wig stylist, manicurist, makeup artist, manager of a beauty supply firm or beauty salon, owner of beauty salon, and color technician. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.
 Required Fee/Materials: \$500/\$500/\$26
 Industry Certification: None
 Note: Approval Process: Yes



COSMETOLOGY II/LAB

KISD Code: 962418

PEIMS: 13025310

Grade: 12

3 Credit

Grade Points: 5.5

Prerequisite: Successful completion of Cosmetology I and a minimum of 450 hours

Students who have completed Cosmetology I and the required 425 hours you are eligible to participate in the second year of the Cosmetology program. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. Cosmetology II students are required to enroll in an 8th period. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Once the required hours are met, TDLR requires a written exam fee. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for all exam fees. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$500/\$500/\$131

Industry Certification: Texas Cosmetology Operator

Note: Students are required to enroll in an 8th period class.

BARBERING II /LAB

KISD Code: 9626

PEIMS: N1302535

Grade: 12

3 Credit

Grade Points: 5.5

Prerequisite: Successful completion of Barbering I and a minimum of 450 hours

Students who have completed Barbering I and the required 450 hours are eligible to participate in the second year of the Barbering program. One class period is devoted to classroom work for the study of barbering theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. Barbering II students are required to enroll in an 8th period. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a Licensed Class A Barber. Once the required hours are met, TDLR requires a written exam fee. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for all exam fees. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$500/\$500/\$131

Industry Certification: Texas Class A Barber License

Note: Students are required to enroll in an 8th period class.

MICROBIOLOGY & SAFETY FOR COSMETOLOGY CAREERS

KISD Code: 965418

PEIMS: N1302540

Grade: 12

2 Credit

Grade Points: 5.0

Prerequisite: Successful completion of Cosmetology I or Barbering I and a minimum of 450 hours

If you have completed Cosmetology I or Barbering I and the required 450 hours, you are eligible to participate in the second year of the Cosmetology and Barbering program. One class period is devoted to classroom work for the study of cosmetology and barbering theory. Two class periods each day are devoted to practice in the laboratory to increase each student's technical and manipulative skills.

Cosmetology & Barbering II students are required to enroll in an 8th period. After two years, students should have fulfilled the 1,000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist or barber. Once the required hours are met, TDLR requires a written exam fee. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for all exam fees. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: Texas Cosmetology Operator or Class A Barber License

Note: Students are required to enroll in an 8th period class

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Law & Public Service Program

PUBLIC SERVICE ENDORSEMENT



REQUIRED

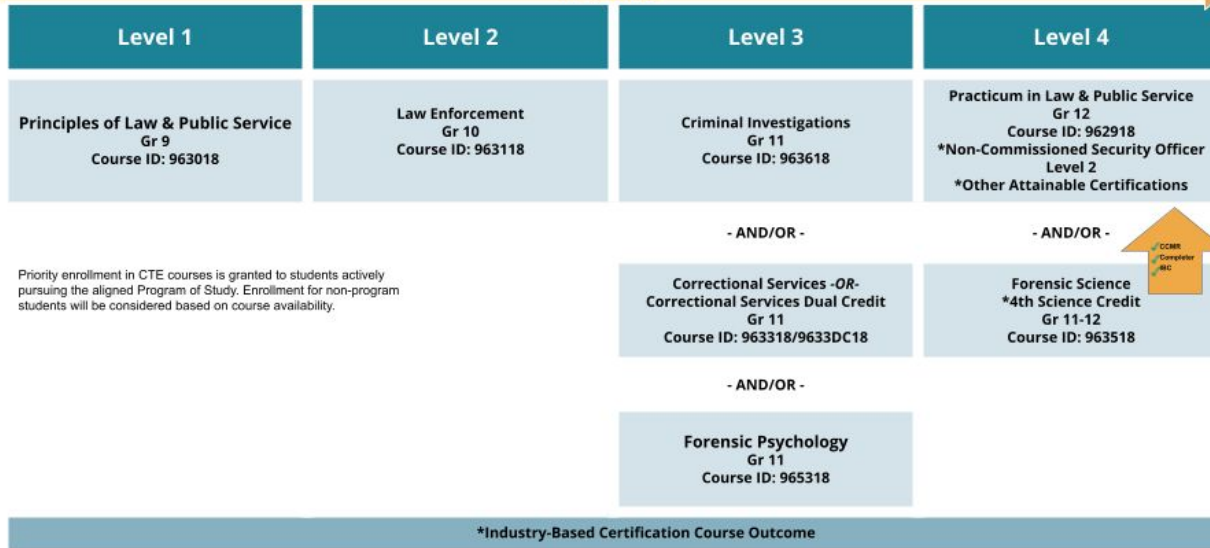


Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

PRINCIPLES OF LAW & PUBLIC SERVICE

KISD Code: 963018

PEIMS: 13029200

Grade: 9

1 Credit

Grade Points: 5.0

Prerequisite: None

You will develop an introductory knowledge of the history, organization, and functions of local, state, and federal law enforcement. You will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime

Required Fee/Materials: No

Industry Certification: None

LAW ENFORCEMENT

KISD Code: 963118

PEIMS: 13029400

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Principles of Law & Public Service

You will gain knowledge and skills necessary to prepare for a career in law enforcement. You will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

Required Fee/Materials: No

Industry Certification: None

CRIMINAL INVESTIGATIONS

KISD Code: 963618

PEIMS: 13029550

Grade: 11

1 Credit

Grade Points: 5.0

Prerequisite: Law Enforcement II

You will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

Required Fee/Materials: No

Industry Certification: None

FORENSIC PSYCHOLOGY

KISD Code: 965318

PEIMS: N1303012

Grade: 11

1 Credit

Grade Points: 5.0

Prerequisite: Law Enforcement II

The course involves understanding criminal law in the relevant jurisdictions to be able to interact within the criminal justice system. You will understand and apply basic skills developed in psychology and criminal scenarios resulting in a structured and scientific approach to investigative analysis; thereby, enabling police and law enforcement officials to predict criminal activity via scientific analysis rather than intuition. You will learn basic structured psychological investigative techniques in question building, interviewing, criminal behavior characteristics, truth detection methodology, research methods, statistical analysis and probability forecasting.

Required Fee/Materials: No

Industry Certification: None



CORRECTIONAL SERVICES

KISD Code: 963318 PEIMS: 13029700

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Law Enforcement I

You will gain knowledge and skills necessary to prepare for a career as a municipal, county, state, or federal correctional officer. You will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. You will analyze rehabilitation and alternatives to institutionalization for inmates.

Required Fee/Materials: No

Industry Certification: None

CORRECTIONAL SERVICES DUAL CREDIT

KISD Code: 9633DC18 PEIMS: 13029700

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Federal Law & Protective Services or Criminal Investigations

You will gain knowledge and skills necessary to prepare for a career as a municipal, county, state, or federal correctional officer. You will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. You will analyze rehabilitation and alternatives to institutionalization for inmates. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN LAW ENFORCEMENT

KISD Code: 962918 PEIMS: 13030100

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Criminal Investigations and/or Forensic Psychology
Level Criminal Justice Course

This course is taught in conjunction with the support of the Klein ISD Police Department at the district police facility. Students in this course will have opportunities to participate in simulated situations such as tactical force training, building search, felony and basic traffic stops, fingerprinting, evidence handling and basic patrol procedures. The Practicum in Law class assists the Klein Police Department with events such as football games and large meetings for crowd control. Field experiences may include Harris County Criminal Courts, Texas DPS Headquarters, TDCJ prison system, Homeland security and Houston Police Division. Students will be required to pass a criminal background check, complete confidentiality waiver forms and provide tactical boots to be worn with the issued uniform.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$35

Industry Certification: Non-Commissioned Security Officer Level 2 / Other Attainable Certifications

Note: Classes will meet at the Klein ISD Police Department, student transportation is needed.

FORENSIC SCIENCE

KISD Code: 963518 PEIMS: 13029500

Grade: 11-12 1 Credit

Grade Points: 5.5

Prerequisite: Criminal Investigations and/or Forensic Psychology, and Biology I and Chemistry I

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: 4th Science Credit Option

OTHER OPPORTUNITIES TO COMPLETE CTE PROGRAM:

CAREER PREPARATION I PROGRAM (Law Enforcement Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card), Approval Process, and at least one Level 2 or higher CTE course.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid or unpaid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED

Level 1	Level 2	Level 3	Level 4
Space Force JROTC 1 Gr 9-12 Course ID: 1901 Klein High Only	Space Force JROTC 2 Gr 10-12 Course ID: 1902 Klein High Only	Space Force JROTC 3 Gr 11-12 Course ID: 1903 Klein High Only	Space Force JROTC 4 Gr 12 Course ID: 1904 Klein High Only
AFJROTC 1 Gr 9-12 Course ID: 1901 Klein Forest, Klein Oak, & Klein Collins Only	AFJROTC 2 Gr 10-12 Course ID: 1902 Klein Forest, Klein Oak, & Klein Collins Only	AFJROTC 3 Gr 11-12 Course ID: 1903 Klein Forest, Klein Oak, & Klein Collins Only	AFJROTC 4 Gr 12 Course ID: 1904 Klein Forest, Klein Oak, & Klein Collins Only
AJROTC 1 Gr 9-12 Course ID: 1901 Klein Cain Only	AJROTC 2 Gr 10-12 Course ID: 1902 Klein Cain Only	AJROTC 3 Gr 11-12 Course ID: 1903 Klein Cain Only	AJROTC 4 Gr 12 Course ID: 1904 Klein Cain Only

Space Force JROTC (Klein High)

The Space Force focuses on issues related to cyber security and keeping our satellites up and running out in space. It also focuses on monitoring the integrity of our cellphone communication, making sure that is not hacked.

Air Force JROTC (Klein Forest, Klein Oak and Klein Collins)

The mission of Air Force Junior ROTC (AFJROTC) is to "develop citizens of character dedicated to serving their nation and community". The goal of the program is to instill in high school cadets the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. The program educates and trains high school cadets in citizenship, promotes community service, instills responsibility, character, and self-discipline. AFJROTC is a four-year program for high school students. It is a balance of study that is 40% Aerospace Science, 40% Leadership Education, and 20% Wellness Education.

AFJROTC 1/SFJROTC 1

KISD #: 1901 PEIMS: PES00004
 Grades: 9-12 1.0 Credit
 Prerequisite: None

Aerospace Science 100: Milestones in Aviation History: This is an aviation course focusing on the development of flight throughout the centuries.

Leadership Education 100: Traditions, Wellness and Foundations of Citizenship: This course introduces cadets to the AFJROTC program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship.

Leadership Education 500: Drill and Ceremonies: This course provides an in-depth introduction to drill and ceremonies. **Wellness Education:** This is an official and integral part of AFJROTC. It consists of two exercise programs focused upon individual baseline improvements with the goal of achieving a national standard as calculated by age and gender.

Required Fee/Materials: \$75

AFJROTC 2/SFJROTC 2

KISD #: 1902 PEIMS: 03160200
 Grades: 10-12 1.0 Credit
 Prerequisite: AFJROTC 1

Required Fee/Materials: \$75



AFJROTC 3/SFJROTC 3

KISD #: 1903

PEIMS: 03160300

Grades: 11-12

1.0 Credit

Prerequisite:

AFJROTC 2

Aerospace Science 200: The Science of Flight: A Gateway to New Horizons: This is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation.

Aerospace Science 220: Cultural Studies: An Introduction to Global Awareness: Introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness.

Aerospace Science 300: Exploring Space: The High Frontier: Includes the latest information available in space science and space exploration. The course covers the human aspect of spaceflight, focusing on the human experience in space.

Leadership Education 200: Communication, Awareness, and Leadership: The course stresses communication skills, and cadet corps activities.

Leadership Education 300: Life Skills and Career Opportunities: The course prepares students for the diverse, high-tech, globally oriented workplace.

Leadership Education 500: Drill and Ceremonies: Note explanation in Course 1901.

Wellness Education: Note explanation in Course 1901. Legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Required Fee/Materials: \$75

AFJROTC 4/SFJROTC 4

KISD #: 1904

PEIMS: 03160400

Grades: 12

1.0 Credit

Prerequisite: AFJROTC 3

Aerospace Science 400: Management of the Cadet Corps: Cadets manage the entire corps during their 4th year in JROTC. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice.

Aerospace Science 410: Survival: Survive—Return: Instruction provides training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. **Leadership Education 400: Principles of Management:** Provides exposure to the fundamentals of management.

Leadership Education 500: Drill and Ceremonies: Note explanation in Course 1901.

Wellness Education: Note explanation in Course 1901.

Optional - Aerospace Science 500: Aviation Honors Ground School Program: Material covered is an advanced, more in-depth study of previous aerospace topics. The course is the foundation for students interested in earning a private pilot's license.

Required Fee/Materials: \$75

Army JROTC

(Klein Cain)

The mission of Army Junior Reserve Officer Training Corps (AJROTC) is "To Motivate Young People to be Better Citizens". AJROTC prepares students for leadership roles while making them aware of their rights, responsibilities, and privileges as Americans. To accomplish this mission, the program of instruction provides education in citizenship, leadership, life success, geography, and wellness to help students succeed in high school and after graduation. The program promotes graduation from high school and provides instructional opportunities which benefit the student, community, and nation. The program produces successful students and productive adults, while offering a constructive and disciplined learning environment. AJROTC is an elective course offering leadership education and physical training to high school students through four academic years, 9th through 12th grade.

Wearing the JROTC uniform once a week is a requirement to participate in AJROTC. While in uniform, Cadets must meet the minimum appearance standards listed in the appropriate regulation, including haircut standards.

AJROTC I

KISD #: 1901

PEIMS: PES00004

Grades: 9-12

1.0 Credit

Prerequisite:

None

Study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objective of JROTC. Can be used to satisfy PE requirement.

Required Fee/Materials: \$75

AJROTC II

KISD #: 1902

PEIMS: 03160200

Grades: 10-12

1.0 Credit

Prerequisite:

AJROTC I

Campus:

Klein Cain HS

Study of wellness, fitness and first aid, drug awareness, ethical values, and principles of good citizenship in American history and Government. Demonstrate knowledge of drill, map reading and physical training, with emphasis on methods of instruction.

Required Fee/Materials: \$75



AJROTC III

KISD #: 1903

Grades: 11-12

Prerequisite:

Campus:

PEIMS: 03160300

1.0 Credit

AJROTC II

Klein Cain HS

Study of leadership strategies, foundation of success, managing conflict, career planning, financial planning, citizenship in American history and government with continued practical work in leadership, drill, technology awareness, and methods of instruction, map reading and physical training.

Required Fee/Materials: \$75

AJROTC IV

KISD #: 1904

Grades: 12

Prerequisite:

Campus:

PEIMS: 03160400

1.0 Credit

AJROTC III

Klein Cain HS

Demonstrate leadership potential as a role model, coach, counselor, management skill and assistant instructor. Study service to the Nation and financial planning, with continued practical work in drill, technology awareness, physical training and command and staff principles.

Required Fee/Materials: \$75

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Other CTE Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

LIFETIME NUTRITION & WELLNESS

KISD Code: 934818 PEIMS: 13024500

Grade: 9 - 12 0.5 Credit

Grade Points: 5.0 0.5 Credit

Prerequisite: None

You will gain knowledge of the roles of nutrients in the body and develop an understanding of lifetime wellness and nutrition principles. You are encouraged to apply these principles in making educated choices that promote lifelong wellness. You will demonstrate knowledge of nutrition and effective work habits such as cooperation, responsibility, time management and problem solving in the food laboratory and classroom. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

INTERPERSONAL STUDIES

KISD Code: 933018 PEIMS: 13024400

Grade: 9 - 12 0.5 Credit

Grade Points: 5.0

Prerequisite: None

You will gain knowledge of how relationships between individuals and among family members affect the quality of life. The areas of study include personal development, decision making, components of a healthy relationship, communication skills and conflict resolution, mate selection, the role of family members, responsible parenting, and crisis management. Interpersonal Studies includes the study of careers in counseling and mental health services.

Required Fee/Materials: No

Industry Certification: None



Arts & Humanities Endorsement

Visual Art 140

Theatre Arts 145

Music 149

Dance 152

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Visual Art

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

ART 1

KISD #: 3100

Grades: 9-12

1 Credit

Prerequisite:

None

Art 1 is a foundation course for the novice or for students with some experience. Students will have the opportunity to develop their own artistic style by creating original artworks in drawing, painting, printmaking, sculpture, and mixed media with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - DRAWING

KISD #: 3104

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Drawing is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to experience a variety of drawing media such as pencil, pen, ink, charcoal, and pastels while further developing the student's individual style with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 – DIGITAL ART & MEDIA

KISD #: 3109

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Students explore innovative methods and means of creating original, electronically generated artwork using digital and other new contemporary media tools, while building upon traditional art concepts and processes. Students build a visual digital portfolio throughout the course. Careers in the field of digital media are introduced. A course fee is required.

ART 2 - PAINTING

KISD #: 3105

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Painting is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of painting techniques and processes while further developing the student's individual style with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - PHOTOGRAPHY

KISD #: 3106

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Photography is a foundation course that expands on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of photographic techniques and processes while further developing the student's individual style with an emphasis on studio production. Training in camera and equipment operation will be provided. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - CERAMICS

KISD #: 3107

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Ceramics is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of ceramic techniques and processes while further developing the student's individual style. Techniques will include basic hand building and glazing with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.



ART 2 - SCULPTURE

KISD #: 3108

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Sculpture is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of sculpture techniques and processes while further developing the student's individual style. Students will work from a variety of subject matter using both additive and subtractive sculptural methods with materials such as clay, wire, papier mache and found objects emphasizing studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 3 LEVEL COURSES

Grades: 10-12

1 Credit

Prerequisite:

Successful completion of a parallel Art 2 course

All Art 3 level courses are advanced and place a strong focus on technique, personal voice, and creativity. Students are directed to work on independent projects. These courses will emphasize students creating original artwork for exhibition and/or portfolio purposes. A course fee is required.

Art 3 - Drawing (1 Unit) (3110)

Art 3 - Ceramics (1 Unit) (3113)

Art 3 - Painting (1 Unit) (3111)

***Art 3 - Photography (1 Unit) (3116)**

Art 3 - Sculpture (1 Unit) (3114)

Art 3 - Digital Art & Media (1 unit) (3117)

**In photography, students must supply their own camera, film and supplies.*

ART 4 LEVEL COURSES

Grades: 11-12

1 Credit

Prerequisite:

Successful completion of a parallel Art 3 course

All Art 4 level courses are advanced and place a strong focus on technique, personal voice, and creativity. Students are directed to work on independent projects. These courses will emphasize students creating original artwork for exhibition and/or portfolio purposes. A course fee is required.

Art 4 - Drawing (1 Unit) (3121)

Art 4 - Painting (1 Unit) (3122)

Art 4 - Ceramics (1 Unit) (3124)

***Art 4 - Photography (1 Unit) (3127)**

Art 4 - Sculpture (1 Unit) (3125)

Art 4 - Digital Art & Media (1 unit) (3128)

**In photography, students must supply their own camera, film and supplies.*

Any Art Level 4 course receives advanced grade points.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT® 2-D ART AND DESIGN

KISD #: 3132

Grades: 11-12

1 Credit

Prerequisite: Successful completion of any 2D Art 3 course and portfolio review or Teacher Approval

In AP® 2-D Art and Design students develop skills through materials and processes such as digital art, photography, printmaking, mixed media and others. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

ADVANCED PLACEMENT® 3-D ART AND DESIGN

KISD #: 3134

Grades: 11-12

1 Credit

Prerequisite: Successful completion of any 2D Art 3 course and portfolio review or Teacher Approval

AP® 3-D Art and Design is an introductory college-level two-dimensional design course. Students develop 3-D skills in materials and processes, such as sculpture, metal work, ceramics, glass work, and others. You'll create artwork that reflects your own ideas and skills and what you've learned. At the end of the course you'll submit a portfolio that demonstrates your knowledge of art skills using three-dimensional materials. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

ADVANCED PLACEMENT® DRAWING

KISD #: 3131

Grades: 11-12

1 Credit

Prerequisite: Successful completion of Drawing 3 course and portfolio review or Teacher Approval

AP® Drawing is an introductory college-level drawing course. Students refine and apply drawing skills to ideas they develop throughout the course. In this course students experiment with a variety of materials and processes as they develop their drawing skills. At the end of the course you'll submit a portfolio that demonstrates the different drawing abilities taught in the course, which include mark-making created with the elements of art in mind, flat surface exploration, and composition awareness. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



2-D Design Portfolio		
<p>Section I: QUALITY (Selected Works)</p> <p>One-third of total score</p> <p>5 actual works.</p> <p>Works demonstrating an understanding of two-dimensional design in concept, composition, and execution.</p>	<p>Section II: CONCENTRATION (Sustained Investigation)</p> <p>One-third of total score</p> <p>12 digital images; some may be details.</p> <p>Works describing an in-depth exploration of a particular 2-D design concern.</p>	<p>Section III: BREADTH (Range of Approaches)</p> <p>One-third of total score</p> <p>12 digital images; 1 image each of 12 different works.</p> <p>A variety of works demonstrating understanding of 2-D design issues.</p>
Drawing Portfolio		
<p>Section I: QUALITY (Selected Works)</p> <p>One-third of total score</p> <p>5 actual works.</p> <p>Works demonstrating understanding of drawing in concept, composition, and execution.</p>	<p>Section II: CONCENTRATION (Sustained Investigation)</p> <p>One-third of total score</p> <p>12 digital images; some may be details.</p> <p>Works describing an in-depth exploration of a particular drawing concern.</p>	<p>Section III: BREADTH (Range of Approaches)</p> <p>One-third of total score</p> <p>12 digital images; 1 image each of 12 different works.</p> <p>A variety of works demonstrating understanding of drawing issues.</p>
3-D Design Portfolio		
<p>Section I: QUALITY (Selected Works)</p> <p>One-third of total score</p> <p>10 digital images, consisting of 2 views each of 5 works.</p> <p>Works demonstrating an understanding of three-dimensional design in concept, composition, and execution.</p>	<p>Section II: CONCENTRATION (Sustained Investigation)</p> <p>One-third of total score</p> <p>12 digital images; some may be details or second views.</p> <p>Works describing an in-depth exploration of a particular 3-D design concern.</p>	<p>Section III: BREADTH (Range of Approaches)</p> <p>One-third of total score</p> <p>16 digital images; 2 views each of 8 different works.</p> <p>A variety of works demonstrating understanding of 3-D design issues.</p>

INTERNATIONAL BACCALAUREATE® VISUAL ARTS Standard Level (Klein Oak HS Only)

KISD #: 3466

Grades: 11 1 Credit

Prerequisite: Art 1

This course serves as year 1 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. Students will be exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. These courses are designed for students who want to go on to further study of visual arts in higher education, as well as for those who are seeking lifelong enrichment through visual arts. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® VISUAL ARTS Higher Level (Klein Oak HS Only)

KISD #: 3465

Grades: 12 1 Credit

Prerequisite: IB Visual Arts SL

This course serves as year 2 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts HL course builds upon the skills developed in SL. The course encourages students to challenge their own creative and cultural expectations and boundaries. In lieu of a traditional exam, this course culminates through the completion of an exhibition curating 8-11 artworks, a process portfolio of experimentation, exploration, and refinement of a variety of art-making activities, and a comparative study analyzing the influences of artists and the ways in which art influences. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® ART HISTORY

KISD #: 3136P

Grades: 11-12 1 Credit

Prerequisite: None

The AP® Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. **Students enrolled in this course must take the AP® exam to earn college credit.**



Theatre Arts

THEATRE ARTS 1

KISD #: 3299

Grades: 9-12 1 Credit

Prerequisite: None

Theatre Arts 1 is a foundation course, which provides a general introduction and exploration of theatre as a performing art. Students explore plays from the perspectives of actors and directors, and examine the strategies of playwrights to develop the ability to imagine the play in performance and to appreciate the range of theatre possibilities.

The course focuses on the expressive use of the body and voice, acting concepts and skills, theatre production concepts and skills, and aesthetic growth through appreciation of theatrical events. Students explore relaxation and preparatory techniques, pantomime, stage movement, voice and diction, improvisation, dramatic structure, analysis and interpretation of scripts and characters, and the interdependence of all theatrical elements. Additional coursework includes technical theatre, appreciation of theatre, audience etiquette, and the analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE ARTS 2

KISD #: 3300

Grades: 9-12 1 Credit

Prerequisite: Successful completion of the previous level of theatre Arts or theatre Production

Theatre Arts 2 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the theatre Arts 1 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE ARTS 3

KISD #: 3301

Grades: 9-12 1 Credit

Prerequisite: Successful completion of the previous level of theatre Arts or theatre Production

Theatre Arts 3 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the theatre Arts 2 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

THEATRE ARTS 4

KISD #: 3302

Grades: 9-12 1 Credit

Prerequisite: Successful completion of the previous level of theatre Arts or theatre Production

Theatre Arts 4 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the theatre Arts 3 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. AA course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

MUSICAL THEATRE I

KISD #: 3331

Grades: 9-12 1 Credit

Prerequisite: Audition and concurrent enrollment in one of the following (Dance, Theatre, Choir)

Musical Theatre is a hands-on, production-based class for students to continue training in acting, singing, and dancing technique as it applies to musical theatre. The course focuses on performance aspects, with students learning various musical theatre styles and performing in productions. Students will work on stage movement, vocal technique, choreography, and characterization. This is an audition-based class and requires concurrent enrollment in at least one parent class. (Theatre, Dance, or Choir). A course fee is required

TECHNICAL THEATRE 1

KISD #: 3303

Grades: 9-12 1 Credit

Prerequisite: None

Technical theatre 1 is a foundation course which provides a general introduction and exploration of structural facets of theatre arts. The course includes development of stagecraft skills; practice with theatre safety techniques; exploration of scenery, properties, lighting, costumes, makeup, sound, and technical theatre research and design; exploration of public relations; and, the recognition of career opportunities in technical theatre. A course fee is required.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



TECHNICAL THEATRE 2

KISD #: 3304

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of the previous level of technical theatre

Technical theatre 2 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical theatre 1 course. The course encompasses development of stagecraft skills beyond the basic level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

TECHNICAL THEATRE 3

KISD #: 3305

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of the previous level of technical theatre

Technical theatre 3 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical theatre 2 course. The course encompasses development of stagecraft skills beyond the previous level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication, greater depth of technical theatre research. A course fee is required.

TECHNICAL THEATRE 4

KISD #: 3306

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of the previous level of technical theatre

Technical theatre 4 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical theatre 3 course. The course encompasses development of stagecraft skills beyond the previous level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

TECHNICAL THEATRE PRODUCTION I

KISD #: 3311

Grades: 9-12

1 Credit

Prerequisite:

Technical Portfolio Review (or exam)/Teacher Recommendation

Technical Theatre Production 1 is a foundation course similar to Technical theatre I while exploring the material in greater depth through student participation in preparation and presentation of campus productions after school. The course includes development of stagecraft skills; practice with theatre safety techniques; exploration of scenery, properties, lighting, costumes, makeup, sound, and technical theatre research and design; exploration of public relations; and, the recognition of career opportunities in technical theatre. Required after-school participation is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences in stagecraft and supplements the technical theatre production course. A course fee is required.

TECHNICAL THEATRE PRODUCTION II

KISD #: 3312

Grades: 9-12

1 Credit

Prerequisite:

Technical Portfolio Review (or exam)/Teacher Recommendation

Technical Theatre Production 2 focuses on an increasingly deeper understanding of the practical application of technical theatre and concepts and skills introduced in the Technical Theatre Production I (Technical Theatre 1(S)) course. The course encompasses development of stagecraft skills beyond the basic level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; active design of public relations designs in traditional and digital media. Required after-school participation is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences in stagecraft and supplements the technical theatre production course. A course fee is required.

TECHNICAL THEATRE PRODUCTION III

KISD #: 3313

Grades: 9-12

1 Credit

Prerequisite:

Technical Portfolio Review (or exam)/Teacher Recommendation

Technical Theatre Production 3 focuses on an increasingly deeper understanding of the practical application of technical theatre and concepts and skills introduced in the Technical Theatre Production II (formally Tech Theatre 2 (S)) course. The course includes development of stagecraft skills beyond the previous level through exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; Required after-school participation is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences in stagecraft and supplements the technical theatre production course. A course fee is required.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



TECHNICAL THEATRE PRODUCTION IV

KISD #: 3314

Grades: 9-12 1 Credit

Prerequisite: **Technical Portfolio Review (or exam)/Teacher Recommendation**

Technical Theatre Production 4 focuses on an increasingly deeper understanding of the practical application technical theatre concepts and skills introduced in the Technical Theatre Production III (formally Technical Theatre 3(S)). The course includes development of stagecraft skills beyond the previous level through exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media. Required after-school participation is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences in stagecraft and supplements the technical theatre production course. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

THEATRE MANAGEMENT 3

KISD #: 3315

Grades: 11-12 1 Credit

Prerequisite: **Successful completion of theatre 1 and 2**

Theatre Management focuses on increasing deeper understanding of the structure of a theatre as a business. The course encompasses stage management from set building to opening a production, publicity in the modern age, marketing, budgeting, and scheduling of theatrical productions. Additionally, students will gain a working knowledge of various theatre positions that are required to make a theatre company successful. A course fee is required.

ADVANCED THEATRE MANAGEMENT 4

KISD #: 3316

Grades: 12 1 Credit

Prerequisite: **Successful completion of Theatre Management 3**

Theatre Management focuses on increasing deeper understanding of the structure of a theatre as a business. The course encompasses stage management from set building to opening a production, publicity in the modern age, marketing, budgeting, and scheduling of theatrical productions. Additionally, students will gain a working knowledge of various theatre positions that are required to make a theatre company successful. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

THEATRE PRODUCTION 1

KISD #: 3307

Grades: 9-12 1 Credit

Prerequisite: **Audition/Teacher Recommendation**

Theatre Production 1 is a foundation course similar to Theatre Arts I while exploring the material in greater depth through student participation in preparation and presentation of campus productions after school. The course focuses on the expressive use of the body and voice, development of acting and theatre production concepts and skills, and appreciation of theatrical events. Students investigate relaxation and preparatory techniques, pantomime, stage movement, voice and diction, improvisation, dramatic structure, analysis and interpretation of scripts and characters, interdependence of all theatrical elements, appreciation of theatre, audience etiquette, and attendance, analysis and evaluation of live theatrical experiences. After-school participation may be required and is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences and supplements the theatre production course. A course fee is required.

THEATRE PRODUCTION 2

KISD #: 3308

Grades: 9-12 1 Credit

Prerequisite: **Successful completion of Theatre Production 1 and Audition/Teacher Recommendation**

Theatre Production 2 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the Theatre Production 1 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical style, and attendance, analysis and evaluation of live theatrical experiences. After-school participation may be required and is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences and supplements the theatre production course. A course fee is required.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



THEATRE PRODUCTION 3

KISD #: 3309

Grades: 9-12 1 Credit

Prerequisite: Successful completion of Theatre Production 2 and Audition/Teacher Recommendation

Theatre Production 3 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the Theatre Production 2 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, and attendance, analysis and evaluation of live theatrical experiences. After-school participation may be required and is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences and supplements the theatre production course. A course fee is required.

THEATRE PRODUCTION 4

KISD #: 3310

Grades: 9-12 1 Credit

Prerequisite: Successful completion of Theatre Production 3 and Audition/Teacher Recommendation

Theatre Production 4 focuses on establishing and advanced understanding of the acting and theatre concepts and skills introduced in the Theatre Production 3 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, and attendance, analysis and evaluation of live theatrical experiences. After-school participation may be required and is dedicated to the preparation of student productions performed for the public and provides practical hands-on experiences and supplements the theatre production course. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

INTERNATIONAL BACCALAUREATE® THEATRE ARTS Standard Level (Klein Oak HS Only)

KISD #: 3462

Grades: 11 1 Credit

Prerequisite: One-year theatre arts, technical theatre or theatre production in grades 9 or 10

This course serves as year 1 of a 2 year course design; students will take Theatre Arts SL in grade 11. The IB® Diploma Programme Theatre Arts course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers. Students learn to apply research and theory to inform and to contextualize their work. Through researching, creating, preparing, presenting and critically reflecting on theatre, they gain a richer understanding of themselves, their community and the world. These courses are designed for students who want to further study theatre arts in higher education, as well as those who are seeking lifelong enrichment through visual arts.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS Higher Level (Klein Oak HS Only)

KISD #: 3463

Grades: 12 1 Credit

Prerequisite: IB Theatre Arts SL

This course serves as year 2 of a 2-year course design; students will take Theatre Arts HL in grade 12. The IB® Diploma Programme Theatre Arts HL course builds upon the skills developed in SL. Additionally, students experience the course from contrasting artistic and cultural perspectives. They learn about theatre from around the world, the importance of making theatre with integrity, and the impact that theatre can have on the world. It enables them to discover and engage with different forms of theatre across time, place and culture, promoting international-mindedness and an appreciation of the diversity of theatre. In lieu of a traditional exam, this course culminates through the completion of a research presentation of a world theatre tradition, a collaborative creation and performance of an original piece of theatre, and a solo theatre piece that demonstrates the practical application of a theatre theory to a theatre piece for an audition.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Music

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

BAND 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school band is a musical organization for students of wind and percussion instruments. Klein offers multiple bands for students interested in instrumental music within the school day. Emphasis is placed on the development of cultural growth, critical listening, basic music theory, instrument technique, creative self-expression, mental and physical discipline, citizenship through group endeavors and physical conditioning. During football season the various concert bands meet after school to make up the marching band which performs at all varsity football games and selected contests. During concert season section rehearsals are scheduled after school one day a week to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Band placement is determined through auditions held in May, August, and at various times during the school year. Students must furnish their own marching shoes, personal instruments (flute, clarinet, alto saxophone, trumpet/cornet, trombone), and mouthpiece or drumsticks/mallets. For concert attire, girls must furnish dress shoes. Boys must furnish tux shirts, bow ties, and cummerbund. Band membership is required for participation in the wind or percussion section of the orchestra. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

COLOR GUARD 1-4

KISD # 3501, 3502, 3503, 3504

Grades: 9-12

1 Credit

Prerequisite:

Audition

In the Fall, the high school color guard serves as an auxiliary unit of the marching band consisting of flags and rifles. In the Spring, the color guard performs as a competitive unit for Winter Guard season. Emphasis is placed on physical conditioning, equipment handling and care, musical choreography and dance, creative self-expression through movement, the refinement of motor skills, and citizenship through group endeavors. Attendance at all rehearsals and performances is required. Color Guard is an approved PE substitute during the fall semester. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

ORCHESTRA 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school orchestra is a musical organization for students of stringed instruments (violin, viola, cello, string bass and harp). Klein offers multiple orchestras for students interested in instrumental music within the school day. A variety of musical settings from small chamber ensembles to full symphonic orchestral playing are experienced by the students. Emphasis is placed upon cultural growth, basic music theory, instrument techniques, music reading, evaluation of musical performance quality, and creative self-expression. The full orchestra rehearses outside the regular school day. The orchestra participates in concerts, contests, festivals, and often combines with the choir or band for special programs. Section rehearsals are scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. The district will furnish large string instruments for school use. Students must furnish violins and violas and large instruments for personal use. For concert attire, boys must furnish a tux/dress shirt and black shoes, girls must furnish dress shoes. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

MARIACHI 1-4 (Klein Collins and Klein Oak Only)

KISD # 3551, 3552, 3553, 3554

Grades: 9-12

1 Credit

Prerequisite:

Audition

The mariachi ensemble is a musical organization for wind, string and vocal students. Emphasis is on the development of cultural growth, critical listening, basic music theory, instructional technique, and creative self-expression through performance. Additionally, students work on mental and physical discipline and citizenship through group endeavors. Students must furnish personal instruments for violin, flute, accordion, and trumpet. Guitarrons, vihuelas, harp, and guitars are provided. Membership in a large ensemble (band, choir, and orchestra) is required for participation in mariachi ensemble. Attendance at all rehearsals and performances is required. Students must furnish informal concert attire (camisolas, black slacks, belts, botines) which can be acquired at a vendor night prior to the start of the school year. Mariachi ensemble may not be offered every semester at every campus. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**



CHORAL MUSIC 1-4**Grades:** 9-12 **1 Credit****Prerequisite:** **None**

The high school choir is designed for students interested in studying vocal music. It is an essential part of a balanced music curriculum and consists of vocal experiences in boys' choir, girls' choir, and mixed choir. Emphasis is placed on the development of proper vocal techniques, the study of choral techniques, basic music theory, sight-singing, music history and literature, creative self-expression, and vocal performance. Section rehearsals may be scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Choir placement for Choral Music 2-4 is determined through auditions held in May, August, and at various times during the school year. Students may be required to furnish some performance apparel. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

VOCAL ENSEMBLE 1-3**Grades:** 10-12 **1 Credit****Prerequisite:** **Audition**

Vocal Ensemble is a complementing course to the parent choral organization. Emphasis is placed on the expansion of singing experiences in a small vocal group, an opportunity to study a variety of styles and historical styles, and the study of ensemble techniques. Opportunities will be provided to perform ensemble music in class and in public. Section rehearsals may be scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Students may need to furnish concert attire if different from the parent choral organization. A course fee is required.

JAZZ BAND 1-4**Grades:** 9-12 **1 Credit****Prerequisite:** **Audition and Approval by Band Director**

The high school jazz ensemble is a musical organization for students of wind, percussion and string instruments. Emphasis is on the development of cultural growth, critical listening, basic music theory, and instructional technique, creative self-expression through jazz improvisation, mental and physical discipline and citizenship through group endeavors. Students must furnish personal instruments, (alto saxophone, trumpet, trombone, guitar) and mouthpiece or drumsticks/mallets. Membership in a large ensemble (band, choir, and orchestra) is required for participation in jazz ensemble. Attendance at all rehearsals and performances is required. Students must furnish concert attire if different from the parent music ensemble. A course fee is required. **All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.**

APPLIED MUSIC 1, 2 (INDIVIDUAL STUDY)**KISD # 3810, 3811****Grades:** 11-12 **1 Credit****Prerequisite:** **Meets District Guidelines**

Enrollment in Applied Music is open to qualifying students who wish to pursue independent study in music performance. Emphasis is placed on private study, study of solo literature, study of technical literature, and a performance examination. Concurrent Enrollment in Band, Orchestra, or Choir is required. Near the end of each semester, each student is required to prepare and publicly perform the following for an appointed board of examiners. (1) two selections from the Approved Music List for Applied Music by memory, and (2) technical studies and scales indicative of appropriate advancing technical preparation commensurate with the memorized musical selections performed. Additional information may be obtained from the high school music department chairperson.

Practicum for Music Education**Klein ISD# 3812****Grades:** 11-12 **1 Credit****Prerequisite:** **Concurrent in level 3 or 4 fine art**

Students enrolled in the music education practicum will gain knowledge, resources, and skills for administering a choral or instrumental music program (i.e., budget, legal issues, fundraising, trips and travel, scheduling, business management, time management, stress management, etc.). They will also gain knowledge and resources for assessing music students, advanced awareness of rehearsal strategies for ensembles and skills for inspiring creativity, self-expression, knowledge of music, and secondary instrument preparation.

ADVANCED PLACEMENT® MUSIC THEORY

Klein ISD# 3821

Grades: 11-12

1 Credit

Prerequisite:

No prerequisites

The Advanced Placement® Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized. **Students enrolled in this course must take the Advanced Placement® exam to earn college credit.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MUSIC Standard Level (Klein Oak HS Only)

KISD #: 3460

Grades: 11-12

2 Credits

Prerequisite:

One year of band, choir, orchestra or comparable private music instruction in grades 9 or 10

The Diploma Programme Music course has been designed to prepare the 21st century music student for a world in which global musical cultures and industries are rapidly changing. The course is grounded in the knowledge, skills and processes associated with the study of music and offers a strengthened approach to student creativity through practical, informed and purposeful explorations of diverse musical forms, practices and contexts. The course also ensures a holistic approach to learning, with the roles of performer, creator and researcher afforded equal importance in all course components. In lieu of a traditional exam, this course culminates through the completion of a portfolio of diverse musical material, the creation and performance of practical musical evidence, and a solo/ensemble performance.

Advanced Grade Points: Yes

DC MUSIC APPRECIATION (Klein Forest HS Only)

Grades: 11-12

.5 Credit

Prerequisite:

No prerequisites

Students enrolled in Dual Credit Music Appreciation will develop an understanding of music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. Upon completion, students will be able to: Identify musical works and elements in a variety of styles, analyze the elements and structures of music using appropriate terminology, critically evaluate the influence of social, political, technological, and/or cultural ideas on music, and articulate the significance of music as an art form within historical, cultural and social contexts.

Advanced Grade Points: Yes

Dual Credit Correlation: MUSI 1306



Dance

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

DANCE LEVEL 1 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3900

Grades: 9-12 1 Credit

Prerequisite: None

Principles of Dance I is an introductory course that provides the students with an exploration of the basic movement fundamentals: ballet, jazz, tap, world dance, modern and choreography. Students will be introduced to dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and dance history. In addition, students will have the opportunity to perform basic dance skills which will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level I is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 1 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3900PE

Grades: 9-12 1 Credit

Prerequisite: None

Principles of Dance I is an introductory course that provides the students with an exploration of the basic movement fundamentals: ballet, jazz, tap, world dance, modern and choreography. Students will be introduced to dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and dance history. In addition, students will have the opportunity to perform basic dance skills which will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level I is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE WELLNESS Level 1-4 FINE ART CREDIT

Klein ISD# 3941-3944

Grades: 9-12 1 Credit

Prerequisite: Successful completion of the previous level of principles of dance or teacher approval for level 2-4.

This course will provide athletes with fundamental skills and knowledge of dance as an art form and lifetime activity, with a specific emphasis on areas that will improve their athletic ability. Students will study various forms of dance such as ballet, jazz, hip hop, and social dance, as well as broader aspects of dance such as injury prevention, stretching, and building muscle tone. This course will help to increase flexibility, balance, explosiveness, and agility in athletes.

DANCE WELLNESS Level 1-4 PE CREDIT

KISD # 3941PE-3944PE

Grade Level: 9-12 1.0 PE credit

Prerequisite: None

This course will provide athletes with fundamental skills and knowledge of dance as an art form and lifetime activity, with a specific emphasis on areas that will improve their athletic ability. Students will study various forms of dance such as ballet, jazz, hip hop, and social dance, as well as broader aspects of dance such as injury prevention, stretching, and building muscle tone. This course will help to increase flexibility, balance, explosiveness, and agility in athletes.

DANCE LEVEL 2 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3901

Grades: 10-12 1 Credit

Prerequisite: None

Principles of Dance II is a continuation of Dance I with an expanding dance curriculum that builds on dance technique, movement vocabulary, various choreography skills, creative expression, musicality and historical applications. In addition, students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level II is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.



DANCE LEVEL 2 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3901PE

Grades: 10-12 **1 Credit****Prerequisite: None**

Principles of Dance II/PE is a continuation of Dance I with an expanding dance curriculum that builds on dance technique, movement vocabulary, various choreography skills, creative expression, musicality and historical applications. In addition, students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level II/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 3 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3902

Grades: 11-12 **1 Credit****Prerequisite: None**

Principles of Dance III provides a progressing curriculum with more complex movement vocabulary and technical skills. In addition, further development of choreographic elements, peer collaborations, and critical thinking with self-analysis will be integrated. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level III is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 3 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3902PE

Grades: 11-12 **1 Credit****Prerequisite: None**

Principles of Dance III provides a progressing curriculum with more complex movement vocabulary and technical skills. In addition, further development of choreographic elements, peer collaborations, and critical thinking with self-analysis will be integrated. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level III is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 4 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3903

Grades: 12 **1 Credit****Prerequisite: None**

Principles of Dance IV is a fast paced and technically challenging course that provides students with a continuing emphasis on all dance knowledge and skills: ballet, jazz, tap, world dance, modern, and choreography. Students will continue to develop dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and historical applications. In addition, students will have the opportunity to perform a variety of dance styles and techniques that will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 4 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3903PE

Grades: 12 **1 Credit****Prerequisite: None**

Principles of Dance IV/PE is a fast paced and technically challenging course that provides students with a continuing emphasis on all dance knowledge and skills: ballet, jazz, tap, world dance, modern, and choreography. Students will continue to develop dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and historical applications. In addition, students will have the opportunity to perform a variety of dance styles and techniques that will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.



DANCE LEVEL 1-4 “DANCE COMPANY” FINE ARTS CREDIT

Klein ISD# 3900C, 3901C, 3902C, 3903C

Grades: 9-12 1 Credit

Prerequisite: Audition and successful completion of previous course level

Performance and Ensemble Dance I-IV is a performing company of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance company is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Company Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 1-4 “DANCE COMPANY” PE CREDIT

Klein ISD# 3900CPE, 3901CPE, 3902CPE, 3903CPE

Grades: 9-12 1 Credit

Prerequisite: None

Performance and Ensemble Dance I-IV/PE is a performing company of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance company is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Company Level I-IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

INTERNATIONAL BACCALAUREATE® DANCE Standard Level (Klein Oak HS Only)

Klein ISD# 3464/3464PE

Grades: 11 1 Credit

Prerequisite: None

This course serves as year 1 of a 2-year course design; students will take Dance SL in grade 11. The IB® Diploma Programme Dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. These courses are designed for students who want to further study the art of dance in higher education, as well as for those who are seeking lifelong enrichment through dance. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3464PE code.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® DANCE Higher Level (Klein Oak HS Only)

Klein ISD# 3469/3469PE

Grades: 12 1 Credit

Prerequisite: IB Dance SL

This course serves as year 2 of a 2-year course design; students will take Dance SL in grade 11 and Dance HL in grade 12. The IB® Diploma Programme Dance HL course builds upon the skills developed in SL. The course facilitates the development of an understanding of movement skills appropriate to the dancer's performance, clarity in relationship to space, time, dynamics, and movement qualities, and communicative expression in relation to other performers/the audience. In lieu of a traditional exam, this course culminates through the completion of dance works composed by the student and a formal written report which analyzes the similarities/differences between two dance styles drawn from different dance cultures and/or traditions. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3469PE code.

Advanced Grade Points: Yes



DANCE 1-4 “DANCE TEAM” FINE ARTS CREDIT

Klein ISD# 3900T, 3901T, 3902T, 3903T

Grades: 9-12 **1 Credit – This course will satisfy the fine arts graduation requirement****Prerequisite: Audition**

Dance Team I-IV is a performing team of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined precision dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance team is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities including football half-time shows. The team competes at multiple dance contests in the spring. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Team Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “DANCE CREW” FINE ARTS CREDIT

Klein ISD# 3915,3916,3917,3918

Grades: 9-12 **1 Credit – This course will satisfy the fine arts graduation requirement****Prerequisite: Audition, Successful completion of previous course level**

Crew Dance I-IV is a performing group of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance crew is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Crew Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “Dance CREW” PE CREDIT

Klein ISD# 3915T,3916T,3917T,3918T

Grades: 9-12 **1 Credit – This course will satisfy the fine arts graduation requirement****Prerequisite: Audition, Successful completion of previous course level**

Crew Dance I-IV/PE is a performing group of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance crew is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Crew Level I-IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.



DANCE 1-4 “COMPOSITION AND IMPROVISATION” FINE ARTS CREDIT

Klein ISD# 3933,3934,3935,3936

Grades: 9-12

1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite:

Audition, Successful completion of previous course level

Composition/Improvisation Dance is a course designed for choreographic devices in solo, duet and ensemble movement studies; exploration of design principles; creating multiple movement studies using various elements of choreography. This course offers students an exploration of movement which acts to extend their choreographic vocabulary for dance composition. It also offers the opportunity to develop sensitivity working with groups in a spontaneous “performance” situation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Composition and Improvisation Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE Appreciation - DUAL CREDIT

Klein ISD: 3970DC

Grades: 10-12

.5 Credit

Prerequisite:

Audition, Successful completion of previous course level

The cultural, historical and aesthetic qualities of dance are presented through lectures, films, videos, and dance productions. Primitive, classical and contemporary dance forms are included.

Advanced Grade Points: yes

Dual Credit Correlation: DANC 2303

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Multidisciplinary Endorsement

A multidisciplinary studies endorsement is earned when students successfully complete advanced courses in multiple content areas.

- Early College High School
- Honors College
- International Baccalaureate

Option A: Advanced Courses

4 from other endorsement areas

4.0 credits in Science
(must include Chemistry, Physics, or IPC)

Combination of 4.0 credits that prepare you to enter the workforce or postsecondary education from within one endorsement area or among endorsement areas that are not in a coherent sequence

Option B: Four by Four

4 credits in each foundation subject area, including English IV and chemistry and/or physics

4.0 English Credits
(must include English 4)

4.0 Math Credits

4.0 Science Credits
(must include Chemistry and/or Physics)

4.0 Social Studies Credits

Option C: Advanced Placement, International Baccalaureate, or Dual Credit

4 credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts

4.0 credits in Science
(must include Chemistry, Physics, or IPC)

Combination of 4.0 credits in AP, IB, or DC from these areas:

English
Math
Science
Social Studies
LOTE
Fine Arts

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Advanced Academics

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Acknowledgements for Outstanding Performance

A student may earn a performance acknowledgment on the student's transcript if they meet the state's qualifying criteria for

- Outstanding performance by successfully completing dual credit courses
- Demonstrating bilingualism and biliteracy
- Earning qualifying scores on the PSAT, ACT, SAT or ACT, Advanced Placement tests or International Baccalaureate exams
- Obtaining a nationally or internationally recognized business or industry certification or license

AP, OnRamps, IB and dual credit students have chosen a program that directly engages them in college-level work, participation in this course depends on a level of maturity consistent with the age of high school students who have engaged in thoughtful analyses of subjects. Students may be exposed to mature course content through course materials. These students should have the maturity, skill, and will to engage in these rigorous college based learning opportunities.

AP Capstone Diploma™

AP Capstone™ is based on two year long AP courses: AP Seminar and AP Research. Students who earn exam scores of 3 or higher in both courses **and** on four additional AP Exams of their choosing receive the AP Capstone Diploma™.

Advanced Placement Courses (AP)®

The Advanced Placement Program® (AP) college level courses are that students can take on all high school campuses and earn college credit through exams at the end of the course.

Dual Credit

Lone Star College offers dual credit courses designed for high school students to earn college credit and high school credit simultaneously. If the dual credit courses are taken either online or at the Lone Star University Park campus, the college will award letter grades which convert using the following numeric scale: A = 95 ; B = 85 ; C = 77; D = 72

International Baccalaureate Diploma Programme (IB)®

The International Baccalaureate® (IB) Diploma Programme is an internationally recognized set of courses designed to challenge and prepare 11th and 12th grade students for success in college and in life. This advanced program of study offers an integrated approach to learning across disciplines with an emphasis on meeting the challenges of living and working in a global, technological society. IB Diploma graduates who earn a score of 24 or higher are awarded a minimum of 24 credit hours to students who attend any public Texas University.

Klein Prep Courses (KP - formerly Pre-AP)

KP identified advanced honors level courses provide rigorous content & instruction, research, assessment, and problem-based learning in all content areas in grades 6-11 which prepare students for success in Advanced Placement, Dual Credit, International Baccalaureate, OnRamps, & College Programs.

OnRamps - University of Texas

OnRamps offers dual enrollment courses designed by the University of Texas at Austin faculty for high school students to earn college credit and high school credit simultaneously.

Note: Students identified as gifted/talented (GT) receive instructional services through the Advanced Academic courses/programs listed above. More GT Information on [page 4](#).



International Baccalaureate® Diploma Programme

The International Baccalaureate® (IB) Diploma Programme is an internationally recognized set of courses designed to challenge and prepare 11th and 12th grade students for success in college and in life. Students complete and test in **six IB subject groups**; write an **extended essay** of independent research guided by a faculty mentor, complete 150 hours of creative, action, and service activities (**CAS**); and participate in a critical thinking course called **Theory of Knowledge**. This advanced, comprehensive program of study offers an integrated approach to learning across disciplines with an emphasis on meeting the challenges of living and working in a global, technological society. Courses are taken at either Standard Level (150 class hours) or Higher Level (240 class hours). Additionally, IB strives to develop academic skills related to: inquiry, knowledge, communication, open-mindedness, balance, reflection, etc. Per S.B. 111, IB Diploma graduates who earn a score of 24 or higher are awarded a minimum of 24 credit hours to students who attend any public Texas University.

Please consider the following details specific to Klein ISD's IB Diploma Programme:

- Students must complete the application process to be considered for admission.
- The IB Programme is only available at Klein Oak High School. Any 8th-10th grade student enrolled within Klein ISD is eligible for admission into IB.
- In order to lay a foundation for success in 11th and 12th grade courses, students in grades 9 and 10 will take IB Preparatory courses classified as Pre-IP.
- Students originally zoned to another Klein ISD high school will be rezoned to Klein Oak High School at the start of the next academic year. Klein ISD Bus transportation is available for students originally zoned to another high school.

GROUP 1: STUDY IN LANGUAGES AND LITERATURE



KISD #: 3470, 3472

Grades: 9-10

1.0 Credit per year

Prerequisite:

Acceptance in IB® Programme

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® LANGUAGE & LITERATURE HL1 & HL2

KISD #: 3404HL1, 3404HL2

Grades: 11-12

1.0 Credits per year

Prerequisite:

Pre-IP English 1 and 2 or Acceptance into IB programme

The IB Language & Literature courses focus on the rigorous academic demands of an International Baccalaureate® Higher Level course. This two-year, intensive study of English language and literature develops students' analytical abilities and creative powers of expression, both in oral and written communications. It encourages them to be original, independent, critical and logical thinkers, and to appreciate literature as an art form. Students learn techniques to analyze literary passages, drawn from prose and poetry, representative of a variety of historical literary periods. Various genres, styles, themes and contexts are examined through the analysis of grouped works. Students explore the ongoing forces of human creativity, artistic ingenuity, and cultural diversity that shape and develop literature. Students engage in daily formal and/or in formal writing tasks including free writing, response journals, dialectical journals, essays, abstracts, critiques and commentaries. They practice public speaking, engaging in the critical and constructive exchange of ideas through oral presentations, class discussions, panel discussions, as well as informal and/or informal debates. This course culminates in the completion of the IB Language & Literature assessment in May of the student's 12th grade year.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

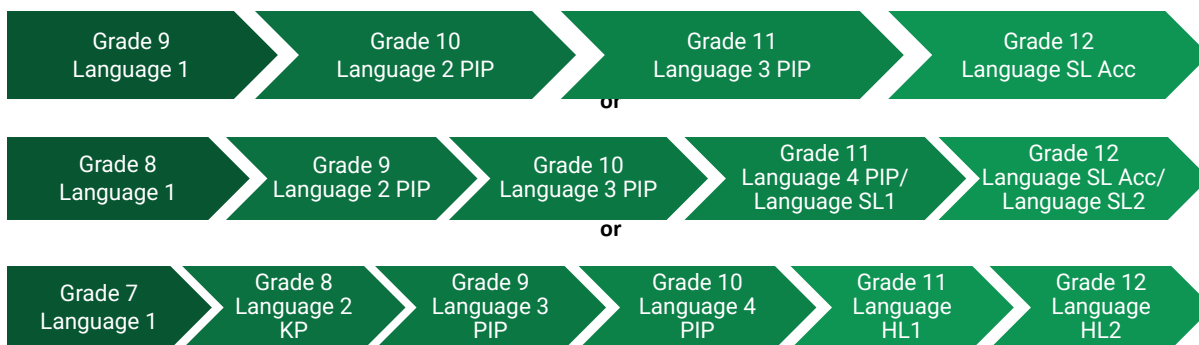
College programs

Course Fees

Index



GROUP 2: LANGUAGE ACQUISITION



SPANISH 2 Pre-IP

KISD #: 3490

Grades: 9-10 1 Credit

Prerequisite: Spanish 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 3 Pre-IP

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1 and 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 4 Pre-IP

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1, 2, & 3 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® SPANISH SL (standard level)

KISD #: 3450 (accelerated course) or 3450SL1 & 3450SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 3, Pre-IP Spanish 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB Spanish SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® SPANISH HL (higher level)**KISD #:** 3451HL1 & 3451HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP Spanish 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB Spanish HL exam in May; exam fees apply.

Advanced Grade Points: Yes**FRENCH 2 Pre-IP****KISD #:** 3482**Grades:** 9-10 **1 Credit****Prerequisite:** French 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**FRENCH 3 Pre-IP****KISD #:** 3484**Grades:** 9-11 **1 Credit****Prerequisite:** French 1, French 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**FRENCH 4 Pre-IP****KISD #:** 3486**Grades:** 10-11 **1 Credit****Prerequisite:** French 1-2, French 3 (Pre-IP/KP strongly recommended)

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® FRENCH SL (standard level)****KISD #:** 3440 (accelerated course) or 3440SL1 & 3440SL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP French 3, Pre-IP French 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB French SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® FRENCH HL (higher level)**KISD #:** 3451HL1 & 3451HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP French 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB French HL exam in May; exam fees apply.

Advanced Grade Points: Yes**GERMAN 2 KLEIN PREP (KP)****KISD #:** 2622Q**Grades:** 9-12 **1 Credit****Prerequisite:** German 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language. *German 2 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate German enroll in this course.

Advanced Grade Points: Yes**GERMAN 3 KLEIN PREP (KP)****KISD #:** 2624Q**Grades:** 9-12 **1 Credit****Prerequisite:** German 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the German language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. *German 3 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate German enroll in this course.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® GERMAN SL (standard level)****KISD #:** 3455 (accelerated course) or 3455SL1 & 3455SL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** German 1-2, German 3 KP Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB German SL exam in May; exam fees apply.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® GERMAN HL (higher level)****KISD #:** 3456HL1 & 3456HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** German 1-2, German 3 KP Required

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB German HL exam in May; exam fees apply.

Advanced Grade Points: Yes

GROUP 3: INDIVIDUALS AND SOCIETIES



INTERNATIONAL BACCALAUREATE® HISTORY OF THE AMERICAS HL (higher level)

KISD #: 3410HL1 & 3410HL2

Grades: 11 and 12

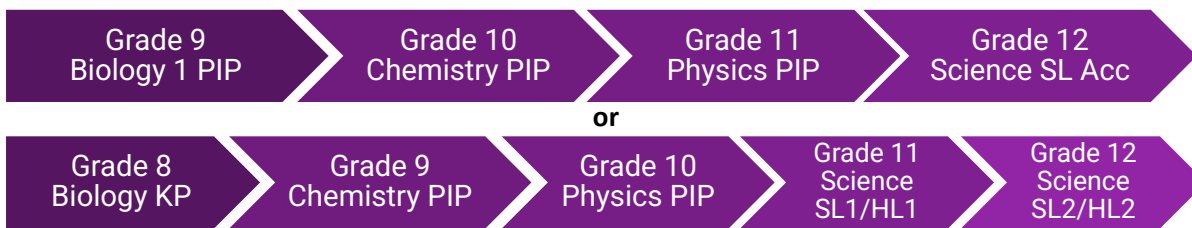
1 Credit per year of study

Prerequisite: World Geography KP and AP World History

The IB History of the Americas is a two-year course of study that provides students with an intensive analysis of the political, economic, social, intellectual, diplomatic, and cultural development of early American history, as well as a transition into 20th century topics. It involves the study of a variety of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The six key concepts include: change, continuity, causation, consequence, significance, and perspectives. Students must pass a US History End of Course (EOC) exam to meet graduation requirements. This course culminates in the completion of the IB HOA HL exam in May; exam fees apply. ***This course replaces the U.S. History requirement for graduation.**

Advanced Grade Points: Yes

GROUP 4: SCIENCES



BIOLOGY 1 Pre-IP

KISD#: 3476

Grades: 9

1 credit

Prerequisite: Acceptance into the IB® Programme

IB Preparatory Biology provides students with an understanding of the important underlying biological themes of form and function, equilibriums, and evolution as an underlying concept for understanding life on Earth. This course is appropriate for identified gifted learners who require specialized instructional services. Students will become knowledgeable about the ideas and concepts fundamental to biology. Pre-IP Biology is appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for Biology. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB Biology Standard Level and Higher Level courses. Students enrolled in this class must pass a Biology End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® BIOLOGY SL (standard level)

KISD #: 3430

Grades: 11 and 12

1 Credit

Prerequisite: KLEIN PREP/GT or Pre-IP Biology and KLEIN PREP/GT or Pre-IP Chemistry

The primary goal of this course is to help students gain an appreciation of science as a process and provide them with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course would consist of lecture, teacher-designed labs, student-designed labs and other types of experimental learning. The material of study for Biology (SL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. The course would consist of lecture, teacher designed labs, student-designed labs and other types of experiential learning. This course includes a multi-disciplinary group science project.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® BIOLOGY HL (higher level)**KISD #:** 3436HL1 & 3436HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Biology Pre-IP

This course must be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. Subjects at HL are studied in greater depth and breadth than SL. The material of study for IB® Biology (HL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology HL exam in May; exam fees apply.

Advanced Grade Points: Yes**CHEMISTRY PRE-IP****KISD#:** 3478**Grades:** 9-10 **1 Credit****Prerequisite:** Algebra 1 and Acceptance into the IB® Programme

Pre-IP Chemistry is a laboratory centered course that investigates the composition and behavior of matter. Skills emphasized are reading and writing scientific, technical information; collecting and analyzing data; note taking and time management. Students who successfully complete the course will be prepared for the rigorous academic demands of the IB Chemistry Standard Level and Higher Level courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® CHEMISTRY SL (standard level)****KISD #:** 3432 (accelerated course) or 3432SL1 & 3432SL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** KP Chemistry required, Pre-IP Chemistry highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course provides opportunities for scientific study and creativity within a global context which will stimulate and challenge students; students will analyze, evaluate, and synthesize scientific information and express their ideas orally and in writing. The course includes the following topics of study: stoichiometry, atomic theory and atomic models, periodicity, bonding, states of matter, solutions, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry, environmental chemistry, and fuels and energy. To develop students' experimental and investigative skills, 40% of a student's classroom time will be devoted to performing laboratory activities. A multi-disciplinary group project is a component of this class. The course culminates in the completion of the IB Chemistry SL exam in May; exam fees apply.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® CHEMISTRY HL (higher level)****KISD #:** 3433HL1 & 3433HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP Chemistry

This course must be taken over a two-year period (students will earn 1 credit per year of completion). The higher level course is designed for students with a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems, provides opportunities for scientific study and creativity within a global context which will stimulate and challenge students. The course will contribute to the students' ability to analyze, evaluate, and synthesize scientific information and help develop the students' ability to think clearly and express their ideas orally and in writing with clarity and logic. The course reviews the topics of study covered in SL as a core stoichiometry, atomic theory and atomic models, periodicity, bonding, states of matter, solutions, energetic, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry--but also continues with the topics in greater depth. HL students are expected to study additional topics and to study extension material of a more demanding nature than SL. This course encourages an understanding of the relationships between scientific disciplines and the overarching nature of the scientific method. To develop students' experimental and investigative skills, 40% of a student's classroom time will be devoted to performing laboratory activities and independent investigations. A multi-disciplinary group project is also a component of this class. This course culminates in the completion of the IB Chemistry HL exam in May; exam fees apply.

Advanced Grade Points: Yes

PHYSICS PRE-IP

KISD #: 3474

Grades: 10-11

1 Credit

Prerequisite: Algebra 1 & Geometry, Acceptance into IB® Programme

Pre-IP Physics is a comprehensive study in classical mechanics and electromagnetism. Topics include Newton's Laws, Kinematics, Vectors, Circular motion, Gravitation, Work-Energy, Momentum, Electrostatics, Magnetism, Ohm's Law, DC circuitry, Light, Sound and Nuclear physics. Pre-IP physics provides a foundation for those students wanting to take IB Physics SL/HL or other advanced Physics courses. This course is appropriate for identified gifted learners who require specialized instructional services. Students should have strong algebra skills to be successful in this rigorous course.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS SL (standard level)

KISD #: 3434 (accelerated course) or 3434SL1 & 3434SL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre IP-Physics or AP Physics highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). Physics is the study of the relationship between matter and energy. The student will be introduced to fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS HL (higher level)

KISD #: 3438HL1 & 3438HL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre-IP Physics or AP Physics required

This course must be taken over a two year period (students will earn 1 credit per year of completion). Students will encounter further extensions of the fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. In addition, the student will study topics on relativity, optics, and astrophysics. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

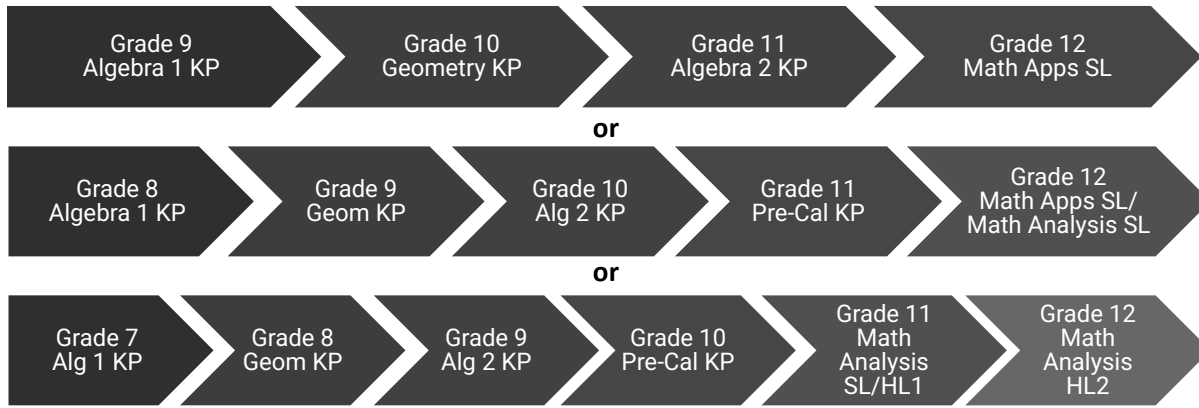
College programs

Course Fees

Index



GROUP 5: MATHEMATICS



INTERNATIONAL BACCALAUREATE® MATH: APPLICATIONS & INTERPRETATIONS SL (standard level)

KISD #: 3425

Grades: 11-12 2 Credits earned within 1 academic year

Prerequisite: Algebra 1, Geometry, Algebra 2, and Pre-Calculus KP highly recommended

This course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. Students are encouraged to solve real-world problems, construct and communicate this mathematically, and interpret the conclusions. Students are expected to work independently and develop an investigation mode, which can be applied to other subject areas, to common world occurrences and to topics that relate to the self-interest of students. This course culminates in the completion of the IB Mathematics: Applications & Interpretations SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MATH: ANALYSIS & APPROACHES SL/HL (standard level/higher level)

KISD #: 3421 or 3418HL1 & 3418HL2

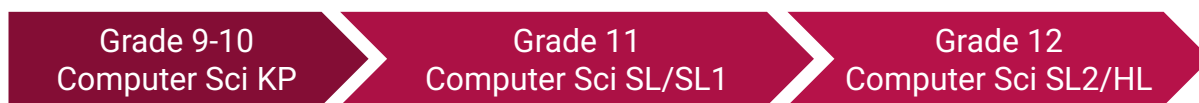
Grades: 11-12 2 Credits

Prerequisite: Geometry, Algebra 2, Pre-Calculus KP and AP Calculus AB/BC recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period, but at a higher level of rigor (students will earn 1 credit per year of completion). Subjects at HL are studied in greater depth and breadth than SL. This course includes topics that are traditionally part of a pre-university mathematics course such as calculus, trigonometry, and differential equations. The course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent, and rigorous way, achieved by a carefully balanced approach. This course places a strong emphasis on the ability to construct, communication, and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. This course culminates in the completion of the IB Mathematics: Analysis & Approaches HL exam in May; exam fees apply.

Advanced Grade Points: Yes

GROUP 6: ARTS/ELECTIVES



INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE SL (standard level)

KISD Code: 3426 (accelerated course) or 3426SL1 and 3426SL2

Grade: 11 -12 1 Credit per year of study

Prerequisite: One credit of computer science

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). IB Computer Science explores how computer science interacts with and influences cultures, society, and how individuals/societies behave, and the ethical issues involved. Students will be able to trace algorithms, utilize software designs, understand arrays, computer systems/networks/algorithms, and design, prototype, and test proposed solutions to unanswered questions. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE HL (higher level)

KISD Code: 3428HLM

Grade: 12 1 Credit

Prerequisite: Successful completion of IB Computer Science SL1

Students may choose to enhance the breadth/depth of study in Computer Science by enrolling in IB Computer Science HL following year 1 of IB Computer Science SL. IB Computer Science explores the logic, and technology related issues. Students are expected to write programs using an object-oriented approach, analyze and formulate success criteria, solution specifications, and appropriate techniques with a specified solution. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Grade 9-10
Fine Art 1Grade 11
Fine Art SLGrade 12
Fine Art HL**INTERNATIONAL BACCALAUREATE® VISUAL ARTS SL (standard level)**

KISD #: 3466

Grades: 11 1 Credit

Prerequisite: Art 1

This course serves as year 1 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. Students will be exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. These courses are designed for students who want to go on to further study of visual arts in higher education, as well as for those who are seeking lifelong enrichment through visual arts. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® VISUAL ARTS HL (higher level)

KISD #: 3465

Grades: 12 1 Credit

Prerequisite: IB Visual Arts SL

This course serves as year 2 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts HL course builds upon the skills developed in SL. The course encourages students to challenge their own creative and cultural expectations and boundaries. In lieu of a traditional exam, this course culminates through the completion of an exhibition curating 8-11 artworks, a process portfolio of experimentation, exploration, and refinement of a variety of art-making activities, and a comparative study analyzing the influences of artists and the ways in which art influences. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MUSIC SL (standard level)

KISD #: 3460

Grades: 11-12 2 Credits

Prerequisite: One year of band, choir, orchestra or comparable private music instruction in grades 9 or 10

The Diploma Programme Music course has been designed to prepare the 21st century music student for a world in which global musical cultures and industries are rapidly changing. The course is grounded in the knowledge, skills and processes associated with the study of music and offers a strengthened approach to student creativity through practical, informed and purposeful explorations of diverse musical forms, practices and contexts. The course also ensures a holistic approach to learning, with the roles of performer, creator and researcher afforded equal importance in all course components. In lieu of a traditional exam, this course culminates through the completion of a portfolio of diverse musical material, the creation and performance of practical musical evidence, and a solo/ensemble performance.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® DANCE SL (standard level)

Klein ISD# 3464/3464PE

Grades: 11 1 Credit

Prerequisite: None

This course serves as year 1 of a 2-year course design; students will take Dance SL in grade 11. The IB® Diploma Programme Dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. These courses are designed for students who want to further study the art of dance in higher education, as well as for those who are seeking lifelong enrichment through dance. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3464PE code.

Advanced Grade Points: Yes



INTERNATIONAL BACCALAUREATE® DANCE HL (higher level)

Klein ISD# 3469/3469PE

Grades: 12 1 Credit

Prerequisite: IB Dance SL

This course serves as year 2 of a 2-year course design; students will take Dance SL in grade 11 and Dance HL in grade 12. The IB® Diploma Programme Dance HL course builds upon the skills developed in SL. The course facilitates the development of an understanding of movement skills appropriate to the dancer's performance, clarity in relationship to space, time, dynamics, and movement qualities, and communicative expression in relation to other performers/the audience. In lieu of a traditional exam, this course culminates through the completion of dance works composed by the student and a formal written report which analyzes the similarities/differences between two dance styles drawn from different dance cultures and/or traditions. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3469PE code.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS SL (standard level)

KISD #: 3462

Grades: 11 1 Credit

Prerequisite: One-year theatre arts or theatre production in grades 9 or 10

This course serves as year 1 of a 2 year course design; students will take Theatre Arts SL in grade 11. The IB® Diploma Programme Theatre Arts course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers. Students learn to apply research and theory to inform and to contextualize their work. Through researching, creating, preparing, presenting and critically reflecting on theatre, they gain a richer understanding of themselves, their community and the world. These courses are designed for students who want to further study theatre arts in higher education, as well as those who are seeking lifelong enrichment through visual arts.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS HL (higher level)

KISD #: 3463

Grades: 12 1 Credit

Prerequisite: IB Theatre Arts SL

This course serves as year 2 of a 2-year course design; students will take Theatre Arts HL in grade 12. The IB® Diploma Programme Theatre Arts HL course builds upon the skills developed in SL. Additionally, students experience the course from contrasting artistic and cultural perspectives. They learn about theatre from around the world, the importance of making theatre with integrity, and the impact that theatre can have on the world. It enables them to discover and engage with different forms of theatre across time, place and culture, promoting international-mindedness and an appreciation of the diversity of theatre. In lieu of a traditional exam, this course culminates through the completion of a research presentation of a world theatre tradition, a collaborative creation and performance of an original piece of theatre, and a solo theatre piece that demonstrates the practical application of a theatre theory to a theatre piece for an audition.

Advanced Grade Points: Yes

THEORY OF KNOWLEDGE

KISD #: 3468A & 3468B

Grades: 11 and 12 0.5 Credits per semester (spring semester of 11th grade & fall semester of 12th grade)

Prerequisite: IB® Diploma Programme Candidates Only

With its position at the center of the International Baccalaureate hexagon suggesting its connective possibilities, the Theory of Knowledge class offers students the opportunity to reflect on themselves as "knowers" in the act of knowing. Six different areas of knowledge, some of which are intensively pursued in other parts of the curriculum, become the subjects of critical inquiry as "knowers," singly and in community, explore what it means to know in each area and how those ways bump into or reinforce each other. As they inquire, students cultivate precision in their recognition of the difficulties that attend their ways of knowing: the nature and limit of perception, the trickery and truthfulness of emotions, the seduction and elusiveness of language, and the attraction of reason. Sorting out this tangle of possibilities is the critical challenge of those who desire to thrive in the Theory of Knowledge class. Practiced with the proper curiosity and generosity, thus wrestling with the problems of knowledge will take students from text to text, time to time, and culture to culture, promoting self-understanding and rich appreciation of difference and variety. The result will be a subtle sophistication of intellect.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

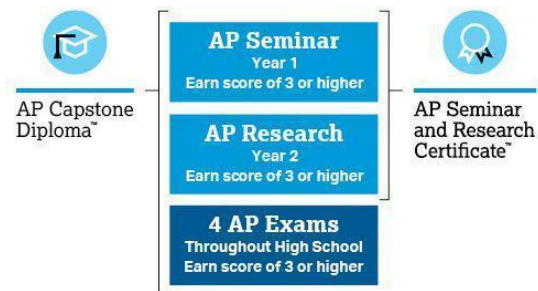
Course Fees

Index



AP Capstone

AP[®] Capstone is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone comprises two AP courses—AP Seminar and AP Research—and is designed to complement and enhance the discipline-specific study in other AP courses. The AP Capstone Diploma is granted to students who earn scores of **3 or higher in AP Seminar and AP Research and on 4 additional AP Exams of their choosing**. The AP Seminar and Research Certificate is granted to students who earn scores of 3 or higher in both AP Seminar and AP Research.



Advanced Placement[®] Seminar

Klein ISD # 9930

Grades: 9-12 1 Credit

Prerequisite:

AP[®] Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

Advanced Placement[®] Research

Klein ISD # 9931

Grades: 10-12 1 Credit

Prerequisite: AP Seminar

AP[®] Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



College Programs

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Why choose to complete a College Program?

- Participate in a program of increased rigor - a proven factor for 4-year college admissions
- Graduate under the Distinguished Plan with multiple Endorsements and Performance Acknowledgements
- Earn a high school diploma and college degree at the same time
- Save approximately half or more of the traditional college costs

**Minimum Algebra I Required in Grade 8 for most programs.*

EARLY COLLEGE HIGH SCHOOL

<https://www.kleinisd.net/o/kisd/page/early-college-high-school>

GEOSPATIAL ENGINEERING & LAND SURVEYING

<https://www.kleinisd.net/o/kisd/page/geospatial-engineering-land-surveying>

GLOBAL BUSINESS

<https://www.kleinisd.net/o/kisd/page/global-studies>

FUTURE TEACHERS

<https://www.kleinisd.net/o/kisd/page/future-teacher>

HONORS COLLEGE

<https://www.kleinisd.net/o/kisd/page/honors-college>

INTERNATIONAL BACCALAUREATE

<https://www.kleinisd.net/o/kisd/page/ib>

MEDICAL SCIENCES

<https://www.kleinisd.net/o/kisd/page/medical-sciences>

AUTOMOTIVE TECHNOLOGY

<https://www.kleinisd.net/o/kisd/page/automotive-technology>

ELECTRICAL TECHNOLOGY

<https://www.kleinisd.net/o/kisd/page/global-studies>



Course Fees

CTE Course Fees 172

Fine Arts Course Fees 178

Athletic Fees 179

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Course Fees

CTE Course	Course #	Purpose	Fee	Certification Fee
AC/DC Electronics Dual Credit	9640DC18	Supplies and Materials utilized for a variety of student projects	\$15.00	
Advanced Culinary	936418	Food Lab Materials	\$100.00	
Advanced Floral Design	905718	Project materials	\$115.00	\$140 TSFA Level 1 Certification
Ag Structures Design & Fabrication/Lab	907918	Materials needed for labs inclusive of wood, metal, and pvc projects.	\$50.00	
Ag Structures Design & Fabrication/Lab	907918	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	\$275.00	
Agricultural Mechanics and Metal Technology	906118	Welding materials- metal, consumables, shop project materials and supplies	\$40.00	
Agricultural Mechanics and Metal Technology	906118	To ensure students have all necessary equipment and materials for success in their welding courses, ancomprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	\$275.00	
Anatomy & Physiology	927118	Supplies, equipment, and consumable materials used for labs.	\$35.00	
Anatomy & Physiology - Dual Credit	9271DC18	Supplies, equipment, and consumable materials used for labs.	\$35.00	
Architectural Design I	947218	Model Supplies and project materials	\$15.00	
Architectural Design II	947318	Model Supplies and project materials	\$15.00	
Automotive Basics	961118	PPE and Safety requirements	\$15.00	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Purpose	Fee	Certification Fee
Automotive Technology I	961218	Safety glasses, dust masks, and ear plugs	\$65.00	
Automotive Technology I - Dual Credit	9613DC18	Safety glasses, dust masks, and ear plugs	\$65.00	
Automotive Technology II	961418	Safety glasses, dust masks, and ear plugs	\$65.00	
Automotive Technology II - Dual Credit	9615DC18	Safety glasses, dust masks, and ear plugs	\$65.00	
Business Communication and Technologies	915618	Optional Certification Word Expert/Excel Expert		\$78/\$78
Business Communication and Technologies - Dual Credit	9156DC18	Optional Certification Word Expert/Excel Expert		\$78/\$78
Child Development	933518	Project and lab materials	\$30.00	
Child Guidance	933618	Clothing	\$40.00	
Computer Aided Drafting for GIS/Land Surveying	9464DC18	Project materials	\$20.00	
Computer Science AP	4901	Project materials	\$10.00	
Computer Science Principles AP	4902	Project materials	\$10.00	
Construction Technology	961818	Safety glasses, ear plugs, & dust masks	\$25.00	
Construction Technology II	962018	Safety glasses, ear plugs & dust masks	\$30.00	\$22 Core \$32 Specialty Construction
Cosmetology & Barbering I	962618	Deposit for Junior Kit (tools, mannequin, lab coat, and uniform shirt)	\$500.00	\$26.00
Cosmetology & Barbering I Lab	962618	Remaining balance for Junior Kit	\$500.00	
Cosmetology II/Barbering II	962418/9626	Remaining balance for Senior Kit	\$500.00	\$150.00
Cosmetology II/ Barbering II Lab	962418/9626	Deposit for Senior Kit (tools, mannequin, lab coat, and uniform shirt)	\$500.00	
Culinary Arts	935018	Food Lab Materials	\$100.00	
Engineer Your World	947418	Safety glasses and project materials	\$25.00	
Engineering Design	9478	Model Supplies and project materials	\$15.00	
Advanced Engineering Design & Presentation	936818	Model Supplies and project materials	\$25.00	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Purpose	Fee	Certification Fee
Fashion Design I	935618	Project materials	\$30.00	
Fashion Design II	9358	Project materials	\$45.00	
Fashion Design III/Lab	935918	Project materials	\$50.00	
Floral Design	905318	Project materials	\$115.00	
Health Science Theory	926918	CPR Certification	\$15.00	
HVAC I	962118	Safety glasses, ear plugs, & dust masks	\$15.00	
HVAC II	962318	Safety glasses, ear plugs, & dust masks	\$15.00	
Instructional Practices in Education & Training	933318	Clothing/Uniform	\$40.00	
Interior Design I	936018	Project materials utilized for a variety of mediums	\$30.00	
Interior Design II	936118	Project materials utilized for a variety of mediums	\$50.00	
Intro to Culinary Arts	9347	Culinary Uniform	\$65.00	\$16.00
Introduction to Welding *KOHS & KCain Only	966718	Welding materials- metal, consumables, shop project materials and supplies	\$25.00	
Introduction to Welding *KOHS & KCain Only	966718	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	\$275.00	
Lifetime Nutrition and Wellness	934818	Food Lab Materials	\$30.00	
News Media	0194/0195/196	SD Card, Card Readers, Supplies	\$25.00	
Outdoor Power Equipment & Small Engine Technology I	967218	Safety glasses, dust masks, ear plugs, and project materials	\$15.00	
Outdoor Power Equipment & Small Engine Technology II	967418	Safety glasses, dust masks, ear plugs, and project materials	\$15.00	
Practicum in Agricultural Technology and Mechanical Systems	908618	Materials needed for labs inclusive of wood, metal, and pvc projects.	\$65.00	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

CTE Fees Cont.

CTE Course	Course #	Purpose	Fee	Certification Fee
Practicum in Agricultural Technology and Mechanical Systems	908618	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	\$275.00	
Practicum in Architectural Design	947518	Model Supplies and project materials	\$15.00	
Practicum in Automotive Technology	961918	Safety glasses, ear plugs, uniform, and project materials	\$65.00	
Practicum in Construction Technology	961718	Safety glasses, dust masks, ear plugs, and consumable supplies	\$30.00	
Practicum in Culinary Arts	935218	Food Lab Materials	\$100.00	
Practicum in Early Learning	933818	Shirts, Supplies, Project Materials, Class Lab	\$40.00	
Practicum in Education and Training	933418	Clothing	\$35.00	
Practicum in Engineering Design	936918	Model Supplies and project materials	\$25.00	
Practicum in Fashion Design	936318	Project materials	\$50.00	
Practicum in Health Science - EMT	927618	EMS Provider Fees	\$350.00	
Practicum in Health Science- Diagnostics	926218	Malpractice Insurance (\$17) Consumable supplies for skills training requirements (PPE, EKG ,Phlebotomy supplies)	\$150.00	\$135.00
Practicum in Health Science- Pharm Tech	927718	Consumable items: PPE, compounding supplies, demo dose practice items	\$100.00	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Purpose	Fee	Certification Fee
Practicum in Health Science-Clinical	927918	Malpractice Insurance (\$17) Consumable supplies for skills training requirements	\$100.00	
Practicum in Law Enforcement	962918	Clothing	\$125.00	
Practicum in Outdoor Power Equipment & Small Engine Technology	967118	Safety glasses, dust masks, ear plugs, clothing, and consumable supplies	\$15.00	
Practicum in Robotics	966418	Supplies and materials utilized for a variety of projects	\$20.00	
Practicum in STEM-Geospatial/Land Surveying	9468DC18	Project materials	\$20.00	
Practicum in Vet Med Assistant	907618	Malpractice Insurance	\$17.00	\$55 Agrilife Veterinary Assistant Certification
Practicum in Veterinary Science	907618	\$17.00	Malpractice Insurance	
Practicum in Welding **KOHS & KCain Only	966918	Welding materials- metal, consumables, shop project materials and supplies	\$60.00	
Practicum in Welding **KOHS & KCain Only	966918	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	\$275.00	
Principles of Architecture	948118	Model Supplies and project materials	\$10.00	
Raster Based GIS	9465DC18	Project materials	\$20.00	
Robotics I	964118	Supplies and materials utilized for a variety of projects	\$10.00	
Robotics II	964218	Supplies and materials utilized for a variety of projects	\$15.00	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Purpose	Fee	Certification Fee
ROTC 1	1901	Uniform Alterations & Cleaning, and equipment needs	\$75.00	
ROTC 2	1902	Uniform Alterations & Cleaning, and equipment needs	\$75.00	
ROTC 3	1903	Uniform Alterations & Cleaning, and equipment needs	\$75.00	
ROTC 4	1904	Uniform Alterations & Cleaning, and equipment needs	\$75.00	
Video Game Design and Animation	915118	Animation kit and project materials	\$10.00	
Video Game Programing	915518	SD Cards for student projects	\$10.00	
Welding I **KOHS & KCain Only	966818	Welding materials- metal, consumables, shop project materials and supplies	\$40.00	
Welding I **KOHS & KCain Only	966818	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	\$275.00	
Welding II ***KOHS & KCain Only	967018	Welding materials- metal, consumables, shop project materials and supplies	\$50.00	
Welding II ***KOHS & KCain Only	967018	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	\$275.00	
Wildlife, Fisheries, and Ecology Management	904618			\$15 Hunter's Safety Certification Exam and \$20 Boater Education Certification Exam

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Course Fees

Content	Course		Fee	Per	Notes
Fine Arts	Art - Year 1		\$45	year	Includes equipment and consumable materials used to create final products in a variety of mediums.
Fine Arts	Art - Year 2		\$55	year	
Fine Arts	Art - Year 3		\$55	year	
Fine Arts	Art - Year 4		\$55	year	
Fine Arts	Art - IB/AP Art		\$65	year	
Fine Arts	Band - Year 1	≤	\$650	year	Includes master class and large ensemble clinicians, marching band design costs and tech staff, accompanists, choreographers, organization apparel, required entry fees, hospitality, office supplies and other equipment, and other extracurricular and consumable expenses on a program by program basis. Does not include instrument rental, one time purchases such as marching shoes, rehearsal clothing, garment bags, etc.
Fine Arts	Band - Year 2	≤	\$650	year	
Fine Arts	Band - Year 3	≤	\$650	year	
Fine Arts	Band - Year 4	≤	\$650	year	
Fine Arts	Color Guard Year 1-4	≤	\$850	year	
Fine Arts	Jazz Band 1-4	≤	\$250	year	
Fine Arts	Orchestra - Year 1	≤	\$250	year	
Fine Arts	Orchestra - Year 2	≤	\$250	year	
Fine Arts	Orchestra - Year 3	≤	\$250	year	
Fine Arts	Orchestra - Year 4	≤	\$250	year	
Fine Arts	Choir - Year 1	≤	\$70	year	
Fine Arts	Choir - Year 2	≤	\$70	year	
Fine Arts	Choir - Year 3	≤	\$70	year	
Fine Arts	Choir - Year 4	≤	\$70	year	
Fine Arts	Theatre/Technical Theatre - Year 1	≤	\$40	year	
Fine Arts	Theatre/Technical Theatre - Year 2	≤	\$40	year	
Fine Arts	Theatre/Technical Theatre - Year 3	≤	\$40	year	
Fine Arts	Theatre/Technical Theatre - Year 4	≤	\$40	year	
Fine Arts	Musical Theatre	≤	\$125	year	Includes master class, accompanists, choreographers, clinicians, and other equipment. Does not include personal items such as dance shoes, rehearsal clothing, stage make up, etc.
Fine Arts	Dance - Year 1	≤	\$50	year	Includes basic practice wear, choreography, and clinicians. Company and Crew include uniforms, clinicians, and required contest costs.
Fine Arts	Dance - Year 2	≤	\$50	year	
Fine Arts	Dance - Year 3	≤	\$50	year	
Fine Arts	Dance - Year 4	≤	\$50	year	
Fine Arts	Dance - Company	≤	\$200	year	
Fine Arts	Dance - Crew	≤	\$200	year	
Fine Arts	Dance - Team	≤	\$1,300	year	

Athletics Course Fees

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Content	Course	Fee	Per	Notes
Athletics	Baseball (B)	\$50	year	
Athletics	Basketball (G)	\$50	year	
Athletics	Basketball (B)	\$50	year	
Athletics	Football	\$50	year	
Athletics	Soccer (G)	\$50	year	
Athletics	Soccer (B)	\$50	year	
Athletics	Wrestling (B)	\$50	year	
Athletics	Wrestling (G)	\$50	year	
Athletics	Track (B)	\$50	year	
Athletics	Track (G)	\$50	year	
Athletics	Swimming (B/G)	\$50	year	
Athletics	Volleyball (G)	\$50	year	
Athletics	Cross Country (B)	\$50	year	
Athletics	Cross Country (G)	\$50	year	
Athletics	Golf (B)	\$50	year	
Athletics	Golf (G)	\$50	year	
Athletics	Softball (G)	\$50	year	
Athletics	Tennis (B/G)	\$50	year	
Athletics	Water Polo (B/G)	\$50	year	

B=Boys
G=Girls



Course Index

<u>AP (Advanced Placement)</u>	<u>181</u>
<u>CTE (Career and Technical Education)</u>	<u>183</u>
<u>Dual Credit</u>	<u>193</u>
<u>Fine Arts</u>	<u>196</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



AP Course Index

KEY

Core - This course receives core credit. See counselor for detailed information.

FA = Fine Arts **SC** = Science **MC** = Math **LOTE** = Languages Other Than English

PR - Prerequisite required.

App - Approval process required. The approval process varies by course. The process may include a student interest survey and/or instructor/counselor recommendation.

OE-College Board Open Enrollment Policy

ADVANCED PLACEMENT® COURSE TITLE	Course	Cr	9th	10th	11th	12th	Core	PR	
AP CAPSTONE DIPLOMA PROGRAM									
AP Seminar		1		✓	✓	✓	ELEC	PR	App
AP Research		1			✓	✓	ELEC	PR	App
FINE ARTS									
AP 2-D Art and Design	3132	1			✓	✓	FA	PR	OE
AP 3-D Art and Design	3134	1			✓	✓	FA	PR	OE
Art History	3136P	1			✓	✓	FA	PR	OE
AP Drawing	3131	1			✓	✓	FA	PR	OE
AP Music Theory	3821	1			✓	✓	FA	PR	OE
ENGLISH									
AP English Language and Composition	0135	1			✓		ELA	PR	OE
AP English Literature and Composition	0145	1				✓	ELA	PR	OE
HISTORY AND SOCIAL SCIENCES									
AP Comparative Government and Politics		1				✓	SS	PR	OE
AP European History	0226	1		✓	✓	✓	SS	PR	OE
AP Human Geography	0238	1	✓	✓	✓	✓	SS	PR	OE
AP Macroeconomics	0256	.5			✓	✓	SS	PR	OE
AP Microeconomics	0255	.5			✓	✓	SS	PR	OE
AP Psychology	0262	.5		✓	✓	✓	SS	PR	OE
AP US Government and Politics	0245	.5			✓	✓	SS	PR	OE
AP United States History	0215	1		✓	✓	✓	SS	PR	OE
AP World History: Modern	0224	1	✓	✓			SS	PR	App

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT® COURSE TITLE	Course	Cr	9th	10th	11th	12th	Core	PR	
MATH AND COMPUTER SCIENCE									
AP Calculus AB	0365	1			✓	✓	MC	PR	OE
AP Calculus BC	0367	1			✓	✓	MC	PR	OE
AP Computer Science A	4901	2		✓	✓	✓	MC & LOT E	PR	OE
AP Computer Science Principles	4902	1	✓	✓			LOT E	PR	OE
AP Statistics	0397	1		✓	✓	✓	MC	PR	OE
SCIENCES									
AP Biology	0425	1		✓	✓	✓	SC	PR	OE
AP Chemistry	0435	1		✓	✓	✓	SC	PR	OE
AP Environmental Science	0465	1			✓	✓	SC	PR	OE
AP Physics 1: Algebra-Based	0445	1		✓	✓	✓	SC	PR	OE
AP Physics 2: Algebra-Based	0448	1			✓	✓	SC	PR	OE
AP Physics C: Electricity and Magnetism	0449	1			✓	✓	SC	PR	App
AP Physics C: Mechanics	0449	1			✓	✓	SC	PR	App
WORLD LANGUAGES AND CULTURE									
AP Chinese Language and Culture		1				✓	LOT E	PR	OE
AP French Language and Culture	2620	1	✓	✓	✓	✓	LOT E	PR	OE
AP German Language and Culture	2627	1				✓	LOT E	PR	OE
AP Italian Language and Culture		1				✓	LOT E	PR	App
AP Japanese Language and Culture		1				✓	LOT E	PR	App
AP Latin	2637	1			✓	✓	LOT E	PR	App
AP Spanish Language and Culture	2609	1	✓	✓	✓	✓	LOT E	PR	OE
AP Spanish Literature and Culture	2600	1	✓	✓	✓	✓	LOT E	PR	OE

College Board Open Enrollment Policy: All motivated and academically prepared students who want to take AP courses should be allowed to do so.



CTE Course Index

School Year 2026-2027

Career & Technical Education, Journalism & JROTC

KEY:

Core - This course receives core credit. See counselor for detailed information.

FA = Fine Arts **SC** = Science **MC** = Math **LOTE** = Languages Other Than English

PR - Prerequisite required.

App - Approval process required. The approval process varies by course. The process may include a student interest survey and/or instructor/counselor recommendation.

Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
AC/DC ELECTRONICS DUAL CREDIT	9640DC18	10	1	6	Approval Process; Principles of Construction or Entrepreneurship I		APP
ACCOUNTING I	916218	10	1	5	Foundations of Business Communication and Technologies		
ACCOUNTING II	916418	11	1	5.5	Accounting I	MC	
ADVANCED ANIMAL SCIENCE	907018	11 thru 12	1	6	Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock Production or Vet Med Applications	SC	
ADVANCED ANIMAL SCIENCE DUAL CREDIT	9070DCB18	11 thru 12	1	6	Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock Production or Vet Med Applications	SC	
ADVANCED CULINARY ARTS	936418	11	2	5.5	Culinary Arts		
ADVANCED ENGINEERING DESIGN AND PRESENTATION	936818	11	2	5.5	Engineer Your World		
ADVANCED FLORAL DESIGN	905718	12	1	6	Horticulture Science		
ADVANCED MARKETING	960018	12	2	5.5	Social Media Marketing/ Advertising		
ADVANCED PLANT & SOIL SCIENCE	907118	12	1	6	Floral Design or Horticulture Science/DC and Biology, Integrated Physics and Chemistry, Chemistry, or Physics, Algebra 1 and Geometry	SC	
ADVANCED VIDEO GAME PROGRAMMING	906018	11	1	5.5	Video Game Programming or Animation I		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
ADVERTISING	959518	11	0.5	5	Sports and Entertainment Marketing 1/II		
AGRICULTURAL MECHANICS & METAL TECHNOLOGIES	906118	10	1	5	Principles of AFNR		
AGRICULTURAL STRUCTURES DESIGN & FABRICATIONS/LAB	907918	11	2	5	Agriculture Mechanics and Metal Technologies		
ANATOMY & PHYSIOLOGY	927118	10 thru 12	1	6.0	Biology I and Chemistry I and Medical Terminology or Kinesiology I	SC	
ANATOMY & PHYSIOLOGY DUAL CREDIT	9271DC18 9292DC	10 thru 12	1	6	Biology I and Chemistry I and Medical Terminology or Kinesiology I	SC	APP
ANATOMY & PHYSIOLOGY DUAL CREDIT- MEDICAL SCIENCE -KLEIN HIGH	9275DC	10	2	6	Biology I and Chemistry I and Medical Terminology	SC	APP
ANIMATION I	947618	10	1	5	Video Game Design and Animation		
ANIMATION II	947718	11	1	5.5	Animation I or Video Game Programming		
AP BUSINESS WITH PERSONAL FINANCE		10-12	1	6	None		
AP COMPUTER SCIENCE A	4901 4901L (LOTE)	11	2	6	Computer Science Klein Prep (KP)		
AP COMPUTER SCIENCE PRINCIPLES	4902	9	1	6	Algebra 1 or Concurrent Enrollment in Algebra I		
AP CYBERSECURITY		10-12	1	6	None		
ARCHITECTURAL DESIGN I	947218	10	1	5	Principles of Architecture		
ARCHITECTURAL DESIGN II	947318	11	2	5.5	Architectural Design I		
AUTOMOTIVE BASICS	961118	9	1	5	None		
AUTOMOTIVE TECHNOLOGY I	961218	10	2	5	Automotive Basics		APP
AUTOMOTIVE TECHNOLOGY I DUAL CREDIT	9613DC18	10	2	6	Automotive Basics		APP
AUTOMOTIVE TECHNOLOGY II	961418	11	2	5.5	Automotive Technology I		
AUTOMOTIVE TECHNOLOGY II DUAL CREDIT	9614DC18	11	2	6	Automotive Technology I		
BARBERING II	9626	12	3	5.5	Successful completion of Cosmetology & Barbering I and a minimum of 450 hours		

Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
BUSINESS COMMUNICATION AND TECHNOLOGIES	915618	10	1	5.5	FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES		
BUSINESS COMMUNICATION AND TECHNOLOGIES DUAL CREDIT	9156DC18	10	1	6	FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES		APP
BUSINESS LAW	917318	11-12	1	5	Business Communication and Technologies/Business Communications and Technologies DC		
BUSINESS LAW DUAL CREDIT	9173DC18	11-12	1	6	Business Communication and Technologies/Business Communications and Technologies DC		APP
BUSINESS MANAGEMENT	912518	11	1	5	Business Communication and Technologies/Business Communications and Technologies DC		
BUSINESS MANAGEMENT DUAL CREDIT -KFHS	9173DC18	11	1	6	Business Communication and Technologies/Business Communications and Technologies DC		
CAREER PREPARATION GENERAL	9681	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION GENERAL II	9682	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION GENERAL II XTD	9686	11 thru 12	3	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION GENERAL XTD	9685	11 thru 12	3	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION PROGRAM	9683	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
CAREER PREPARATION PROGRAM II	9684	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION PROGRAM II XTD	9688	11 thru 12	3	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION PROGRAM XTD	9687	11 thru 12	3	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CHILD DEVELOPMENT	933518	10	1	5	Principles of Education & Training		
CHILD DEVELOPMENT DUAL CREDIT FOR HQT -KCHS	9335DC18	10 thru 11	1	6	Principles of Education & Training		
CHILD GUIDANCE	933618	11	2	5.5	Child Development and Approval Process		APP
COMPUTER AIDED DRAFTING FOR GIS/LAND SURVEYING-KCHS	9464DC18	10	1	6	Engineering Design and Presentation I		APP
COMPUTER SCIENCE - IB HL	3428	11 thru 12	2	6	IB Requirements	MC/LOTE	APP
COMPUTER SCIENCE - IB SL	3426	11 thru 12	1	6	IB Requirements	MC/LOTE	APP
COMPUTER SCIENCE KIEIN PREP (KP)	4900Q	10	1	5.5	Algebra 1 and AP Computer Science Principles	MC/LOTE	
CONSTRUCTION TECHNOLOGY I	961818	10	2	5	Principles of Constructions		
CONSTRUCTION TECHNOLOGY II	962018	11	2	5.5	Construction Technology I		
CORRECTIONAL SERVICES	963318	11	1	5	Law Enforcement I		
CORRECTIONAL SERVICES DC	9633DC18	11	1	6	Federal Law & Protective Services or Criminal Investigations		APP
COSMETOLOGY & BARBERING I /LAB	962618	11	3	5	Approval Process		APP
COSMETOLOGY II/LAB	962418	12	3	5.5	Successful completion of Cosmetology & Barbering I and a minimum of 450 hours		
CRIMINAL INVESTIGATION	963618	11	1	5	Law Enforcement II		
CULINARY ARTS	935018	10	2	5	Introduction to Culinary Arts		
DIGITAL DESIGN MEDIA PRODUCTION (Intermediate	4922]	7 thru 8	1	NA	Ability to work independently		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
ELECTRICAL TECHNOLOGY I DUAL CREDIT (KFHS ONLY)	9605DCA/B	11	1	6	AC/DC Electronics Dual Credit Recommended Prerequisite: Strong Math and Reading skills		APP
ELECTRICAL TECHNOLOGY II DUAL CREDIT (KFHS ONLY)	9606DCA/B	12	2	6	Electrical Technology I Dual Credit		APP
ENERGY AND NATURAL RESOURCES	904818	11	1	5	Wildlife, Fisheries & Ecology Management		
ENGINEER YOUR WORLD	947418	10	1	5.5	Engineering Design		
ENGINEERING DESIGN	9478	9	1	5	None		
ENTREPRENEURSHIP	959418	10	1	5	Recommended: Foundations of Business Communication and Technologies		
ENTREPRENEURSHIP II	959318	11	1	5	Entrepreneurship I		
EQUINE SCIENCE	907218	10	0.5	5	Principles of AFNR		
EXERCISE SCIENCE & WELLNESS CAPSTONE	928918	12	1	5	Kinesiology II and Anatomy & Physiology/Anatomy & Physiology DC		
FASHION DESIGN I	935618	9	1	5	None		
FASHION DESIGN II	9358	10	1	5	Fashion Design I		
FASHION DESIGN III & LAB	935918	11	2	5.5	Fashion Design II		
FLORAL DESIGN	905318	10 thru 11	1	5	Principles of Agriculture, Food & Natural Resources	FA	
FORENSIC PSYCHOLOGY	965318	11	1	5	Law Enforcement II		
FORENSIC SCIENCE	963518	11 thru 12	1	5.5	Criminal Investigations and/or Forensic Psychology and Biology I and Chemistry I	SC	
FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES	914418	9	1	5	None		
FUNDAMENTALS OF COMPUTER SCIENCE	9141J18	7 thru 8	1	5	None		
FUTURE TEACHER COLLEGE PROGRAM CAPSTONE	933718	12th	1	6	Instructional Practices in Education & Training Work Study	APP	
GEOGRAPHICAL INFORMATION SYSTEMS DUAL CREDIT- KCHS	9466DC18	10	1	6	Computer Aided Drafting/Basic Computer Aided Drafting		APP
HEALTH SCIENCE THEORY	926318	11	1	5.5	Medical Terminology		
HORTICULTURE SCIENCE	905018	11	1	5	Floral Design		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
HORTICULTURE SCIENCE DUAL CREDIT	9050DC18	11	1	6	Floral Design		
HVAC & REFRIGERATION TECHNOLOGY I	962118	10	1	5	Principles of HVAC		
HVAC & REFRIGERATION TECHNOLOGY II	962318	11	2	5.5	HVAC & Refrigeration Technology I		
INDEPENDENT STUDY IN COMPUTER SCIENCE I	4907	12	1	5.5	AP Computer Science A		
INDEPENDENT STUDY OF JOURNALISM	0156, 0157, 0159	11 thru 12	1	5.5	Sponsor Approval and completion of Advanced Journalism		APP
INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING	933318	11	2	5.5	Human Growth & Development or Child Development		APP
INTERIOR DESIGN I	936018	10	1	5	Principles of Architecture		
INTERIOR DESIGN II	936118	11	2	5.5	Interior Design I		
INTERPERSONAL STUDIES	933018	9 thru 12	0.5	5	None		
INTRODUCTION TO CULINARY ARTS	9347	9	1	5	None		
INTRODUCTION TO OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY	961118	9	1	5	None		
INTRODUCTION TO WELDING	966718	9	1	5	None		
JOURNALISM 1	150	9 thru 12	1	5	Mastery of State Writing Assessment		
JROTC 1	1901	9-12	1	5			APP
JROTC 2	1902	10-12	1	5			APP
JROTC 3	1903	11-12	1	5			APP
JROTC 4	1904	12	1	5			APP
KINESIOLOGY I	928518	10	1	5	Principles of Exercise Science & Wellness		
KINESIOLOGY II	928818	11	1	5	Kinesiology I		
LAND SURVEYING DUAL CREDIT-KCHS	9467DC18	11	1	6	Geospatial Engineering and Land Surveying Pathway		APP
LAW ENFORCEMENT	963118	10	1	5	Principles of Law & Public Service		
LIFETIME NUTRITION & WELLNESS	934818	9 thru 12	0.5	5	None		
LIVESTOCK PRODUCTION	906918	10	1	5	Principles of AFNR		
MARKETING	959118	9	1	5	None		
MEDICAL MICROBIOLOGY	928118	11 thru 12	1	6.0	Biology I and Chemistry I and Medical Terminology	SC	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
MEDICAL MICROBIOLOGY DC	9281DC18	11 thru 12	1	6	Biology I and Chemistry I and Medical Terminology, Anatomy & Physiology DC (MSC).	SC	APP
MEDICAL TERMINOLOGY	927818	10	1	5	Principles of Health Science		
MEDICAL TERMINOLOGY FOR MEDICAL SCIENCES-KHS	900018	10	1	5	Principles of Health Science		APP
MICROBIOLOGY & SAFETY FOR COSMETOLOGY CAREERS	965418	12	2	5	Successful completion of Cosmetology & Barbering I and a minimum of 450 hours		
NEWS MEDIA 1	194	9 thru 12	1	5.5	Journalism 1 or Photojournalism, and/or Sponsor Approval		APP
NEWS MEDIA 2	195	10 thru 12	1	5.5	News Media 1 and Sponsor Approval		APP
NEWS MEDIA 3	196	12	1	5.5	News Media 2 and Sponsor Approval		APP
OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY I	967218	10	1	5	Introduction to Outdoor Power Equipment & Small Engine Technology		
OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY II	967418	11	2	5	Outdoor Power Equipment & Small Engine Technology I		
PATHOPHYSIOLOGY	928218	11 thru 12	1	6.0	Anatomy and Physiology and/or Medical Microbiology	SC	
PHOTOJOURNALISM	158	9	0.5	5	Sponsor Approval		
PRACTICUM IN AGRICULTURAL TECHNOLOGY AND MECHANICAL SYSTEMS	908618	12	2	5.5	Ag Structures Design and Fabrication		
PRACTICUM IN ARCHITECTURAL & INTERIOR DESIGN	947518	12	2	6.0	Architectural Design II or Interior Design II		
PRACTICUM IN AUTOMOTIVE TECHNOLOGY	961918	12	2	5.5	Automotive Technology II		
PRACTICUM IN BUSINESS MANAGEMENT	912618	12	2	5.5	Business Management/Business Management DC or Business Law/Business Law DC		
PRACTICUM IN COMPUTER SCIENCE	946018	12	2	6.0	AP Computer Science A		
PRACTICUM IN COMPUTER SCIENCE DUAL CREDIT	9460DCA18 9460DCB18	12	2	6	AP Computer Science A		
PRACTICUM IN CONSTRUCTION TECHNOLOGY	961718	12	2	5.5	Construction Technology II		
PRACTICUM IN CULINARY ARTS	935218	12	2	5.5	Advanced Culinary Arts		
PRACTICUM IN EARLY LEARNING	933818	12	2	5.5	Child Guidance and Approval Process		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
PRACTICUM IN EDUCATION AND TRAINING	933418	12	2	5.5	Instructional Practices in Education and Training		APP
PRACTICUM IN ENGINEERING DESIGN	936918	12	2	6.0	Advanced Engineering Design and Presentation		
PRACTICUM IN ENTREPRENEURSHIP	959718	12	2	5.5	Entrepreneurship II		
PRACTICUM IN FASHION DESIGN	936318	12	2	5.5	Fashion Design III and Lab		
PRACTICUM IN HEALTH SCIENCE - CERTIFIED PHARMACY TECHNICIAN	927718	12	2	6.0	Health Science Theory Anatomy & Physiology		APP
PRACTICUM IN HEALTH SCIENCE - CLINICAL	927918	12	2	6.0	Health Science Theory and Anatomy and Physiology		APP
PRACTICUM IN HEALTH SCIENCE - EMT	927618	12	2	6.0	Health Science Theory and Anatomy and Physiology Age Requirement: Students must be 18 years of age on or before May 1, of their 12th grade year. Students who do not meet the age requirement by a few days may submit the interest form for consideration of acceptance if space is available		APP
PRACTICUM IN HEALTH SCIENCE- DIAGNOSTICS	926218	12	2	6.0	Health Science Theory and Anatomy and Physiology		
PRACTICUM IN HVAC & REFRIGERATION	962518	12	2	5.5	HVAC & Refrigeration Technology II		
PRACTICUM IN LAW ENFORCEMENT	962918	12	2	5.5	Criminal Investigations and/or Forensic Psychology		
PRACTICUM IN OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY	967118	12	2	5.5	Outdoor Power Equipment & Small Engine Technology II		
PRACTICUM IN ROBOTICS	966418	12	2	6.0	Robotics II		
PRACTICUM IN STEM-GEOSPATIAL/LAND SURVEYING DUAL CREDIT KCHS	9468DC18	12	2	6.0	Raster Based GIS Dual Credit and Scientific Research and Design DC		
PRACTICUM IN VIDEO GAME DESIGN & ANIMATION	949418	12	2	6.0	Advanced Video Game Programming or Animation II		
PRACTICUM IN WELDING	966918	12	2	5.5	Welding II		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
PRACTICUM VETERINARY MEDICAL ASSISTING	907618	12	2	6.0	Veterinary Medical Applications and Approval Process		APP
PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES	904018	9	1	5	None		
PRINCIPLES OF APPLIED ENGINEERING (Intermediate)	9470J18	7 thru 8	1	5	Strong Math Skills		
PRINCIPLES OF ARCHITECTURE	948118	9	1	5	None		
PRINCIPLES OF BUSINESS, MARKETING & FINANCE (Intermediate)	9166J18	7-8	1	5	None		
PRINCIPLES OF CONSTRUCTION	961618	9	1	5	None		
PRINCIPLES OF EDUCATION & TRAINING	932918	9	1	5	None		
PRINCIPLES OF EXERCISE SCIENCE & WELLNESS	926118J	8	1	5	None		
PRINCIPLES OF EXERCISE SCIENCE & WELLNESS	926118	9	1	5	None		
PRINCIPLES OF HEALTH SCIENCE	927018	9	1	5	Biology I or Concurrent Enrollment		
PRINCIPLES OF HUMAN SERVICES (Intermediate)	9331J18	7 thru 8	1	5	None		
PRINCIPLES OF HVAC	961618	9	1	5	None		
PRINCIPLES OF LAW & PUBLIC SERVICE	963018	9	1	5	None		
RASTER BASED GEOGRAPHICAL INFORMATION	9465DC18	11	2	6	Computer Aided Drafting/Basic Computer-Aided Drafting, Principles of Architecture DC and Geographic Information Systems DC/Intro to GIS		APP
ROBOTICS I	964118	10	1	5	Engineering Design and Presentation I		
ROBOTICS II	964218	11	1	5.5	Robotics I		
SCIENTIFIC RESEARCH AND DESIGN IN NATURAL RESOURCES	946918	12	1	6.0	Energy & Natural Resources		
SECURITIES AND INVESTMENTS	918418	12	1	5.5	Accounting II		
SMALL ANIMAL MANAGEMENT	907718	10	0.5	5	Principles of AFNR		
SOCIAL MEDIA MARKETING	959218	11	0.5	5	Sports and Entertainment Marketing 1/II		
SPORTS & ENTERTAINMENT MARKETING	958818	10	0.5	5	Marketing		
SPORTS AND ENTERTAINMENT MARKETING II	958918	10	0.5	5	Sports and Entertainment Marketing I		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
VETERINARY SCIENCE	907418	11	1	5.5	Small Animal and Equine Science or Livestock Production		
VIDEO GAME DESIGN AND ANIMATION	915118	9	1	5	None		
VIDEO GAME PROGRAMMING	915518	10	1	5	Video Game Design and Animation		
WELDING I	966818	10	2	5	None		
WELDING II	967018	11	2	5.5	Welding I		
WILDLIFE, FISHERIES & ECOLOGY MANAGEMENT	904618	10	1	5	Principles of AFNR		
YEARBOOK 1	191	9 thru 12	1	5.5	Journalism 1 or Photojournalism and/or Sponsor Approval		APP
YEARBOOK 2	192	10 thru 12	1	5.5	Yearbook 1 and Sponsor Approval		APP
YEARBOOK 3	193	11 thru 12	1	5.5	Yearbook 2 and Sponsor Approval		APP

DC Course Index

*Note: All dual credit courses have prerequisites that varies by course.
Students enrolled in these courses may be expected to purchase the required textbook.

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Advanced Animal Science	9070DCA18/DCB18	1	Tarleton: ANSC 1319/1119	4 Hours			✓	✓
Art 1 History	3136DCA/DCB	1	<u>ARTS 1303</u> <u>ARTS 1304</u>	3 hours 3 hours			✓	✓
Art Appreciation DC	3104DC	0.5	<u>ARTS 1301</u>	3 hours			✓	✓
Anatomy & Physiology	927118AH 9271DC18	1	<u>BIOL 2401</u>	4 hours		✓	✓	✓
Anatomy & Physiology	9292DCA/DCB	1	<u>BIOL 2401</u> <u>BIOL 2402</u>	4 hours 4 hours		✓	✓	✓
Automotive Technology I	9613DCA/DCB	2	<u>AUMT 1405</u> <u>AUMT 1407</u>	4 hours 4 hours			✓	
Automotive Technology II	9615DCA/DCB	2	<u>AUMT 1410</u> <u>AUMT 1416</u>	4 hours 4 hours			✓	
Biology	0425DCA/DCB	1	<u>BIOL 1406</u> <u>BIOL 1407</u>	4 hours 4 hours			✓	✓
Business Communication and Technologies	9156DC18/BH	1	<u>BUSI 1305</u>	3 hours		✓		
Business & Professional Communications (LSC only)	9700LSDC	0.5	<u>SPCH 1321</u>	3 hours		✓	✓	✓
Business Law	917318AH/DC18	1	<u>BUSI 2301</u>	3 hours			✓	✓
Chemistry	0431AH/0431DC	1	<u>CHEM 1405</u>	4 hours			✓	✓
Chemistry	0434AH/0434DC	1	<u>CHEM 1411</u>	4 hours			✓	✓
College Algebra	0389A/0389DC	1	<u>Math 1314</u>	3 hours				✓
College Readiness and Study Skills	9927DC	.5	<u>EDUC 1300</u>	3 hours		✓	✓	✓
Correctional Services	963318DCA/963318DCB	1	<u>CRIJ 1301</u> <u>CRIJ 2313</u>	3 hours			✓	✓
Dance Appreciation	3970DC	0.5	<u>DANC 2303</u>	3 hours		✓	✓	✓
Economics Macro	0251DC	0.5	<u>ECON 2301</u>	3 hours			✓	✓
Economics Micro	0252DC	0.5	<u>ECON 2302</u>	3 hours			✓	✓
English 3	0131DCA/DCB	1	<u>ENGL 1301</u> <u>ENGL 1302</u>	3 hours 3 hours			✓	
English 4	0141DCA/DCB	1	<u>ENG 2322</u> <u>ENG 2323</u>	3 hours 3 hours				✓
Environmental Science	0465DCA/DCB	1	<u>ENVR 1401</u> ENVR 1402	4 hours			✓	✓
Government	0241DC	0.5	<u>GOVT 2305</u>	3 hours			✓	✓
Horticulture Science	9050AH/ DCB	1	Tarleton: HORT 1301	3 hours			✓	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Music Appreciation	3559DC	1	<u>MUSI 1306</u>	3 hours		✓	✓	✓
PE (Vistas Only)	1609DC	0.5	<u>PHED 1164</u>	1 hour		✓	✓	✓
Physics	0441AH/ 0441DC	1	<u>PHYS 1401</u>	4 hours			✓	✓
Pre-Calculus	0360AH/DC	1	<u>MATH 2412</u>	4 hours			✓	✓
Psychology	0260DC	0.5	<u>PSYC 2301</u>	3 hours			✓	✓
Public Speaking 1	0166DC	0.5	<u>SPCH 1315</u>	3 hours	✓	✓	✓	✓
Public Speaking 1	0190DC	0.5	<u>SPCH 1315</u>	3 hours	✓	✓	✓	✓
Practicum in Computer Science	9460DCA/ DCB	2	<u>COSC 1436</u> <u>COSC 1437</u> <u>COSC 2436</u>	4 hours 4 hours 4 hours				✓
Sociology	0261DC	0.5	<u>SOCI 1301</u>	3 hours			✓	✓
Speech	0189DC	0.5	<u>SPCH 1311</u>	3 hours	✓	✓	✓	✓
Statistics	0397DC	0.5	<u>MATH 1342</u>	3 hours			✓	✓
Texas Government (LSC only)	0246DC	0.5	<u>GOVT 2306</u>	3 hours			✓	✓
Texas History (LSC Only)	0218LSDC	0.5	<u>HIST 2301</u>	3 hours			✓	✓
Theater Appreciation (LSC only)	3299LSDC	0.5	<u>DRAM 1310</u>	3 hours		✓	✓	✓
US History	0211DCA/DCB	1	<u>HIST 1301</u> <u>HIST 1302</u>	3 hours 3 hours		✓	✓	✓

*Note: These CTE dual credit courses below are only available to students accepted to the indicated college programs. All dual credit courses have prerequisites which varies by course. Please contact the high school counselor.

Geospatial Engineering and Land Survey College Program – Klein Collins High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Computer Aided Drafting for GIS/Land Surveying	9464DC18	1	<u>DFTG 1309</u>	3 hours		✓		
Geographic Information Systems	9466DC18	1	GISC 1470 GISC 2301	4 hours 3 hours		✓		
Land Surveying	9467DC18	1	<u>SRVY 1301</u>	3 hours			✓	
Practicum in Stem-Geospatial/Land Surveying	9468DC18	2	GISC 2470 GISC 3412	4 hours 4 hours				✓
Raster Based GIS	9465DC18	1	GISC 1336 GISC 3421	3 hours 4 hours			✓	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



*Note: These CTE dual credit courses below are only available to students accepted to the indicated college programs. All dual credit courses have prerequisites which varies by course. Please contact the high school counselor.

Electrical Technology College Program – Klein Forest High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
AC/DC Electronics	9640DCA/DCB	1	<u>ELPT 1321</u> <u>ELPT 1311</u>	3 hours 3 hours		✓		
Electrical Technology I (Klein Forest only)	9605DCA/DCB	1	<u>ELPT 1325</u> <u>ELPT 1329</u> <u>ELPT 1315</u>	3 hours 3 hours 3 hours			✓	
Electrical Technology II (Klein Forest only)	9606DCA/DCB	2	<u>ELPT 2325</u> <u>ELPT 1345</u> <u>DFGT 2307</u>	3 hours 3 hours 3 hours				✓

Medical Sciences College Program– Klein High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Anatomy & Physiology (District Approval Needed)	9275DCA/DCB	1	BIOL 2401 BIOL 2402	4 hours 4 hours		✓	✓	✓
Medical Microbiology	9281DCA/DCB	1	<u>BIOL 2420</u> <u>BIOL 2421</u>	4 hours 4 hours			✓	✓

Future Teachers College Program – Klein Collins High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
HQT Child Development	9335DCA/DCB	1	<u>TECA 1354</u>	3 hours		✓	✓	

Global Business College Program – Klein Forest High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Accounting I	916218AH 9162DC18	1	<u>ACNT 1303</u>	3 hours			✓	
BUSINESS MANAGEMENT DUAL CREDIT -KFHS	9125DC18 912518AH	1	<u>BMGT 1327</u>	3 hours			✓	



Fine Arts Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Choral Music 1	3610	9-12	1	5	none		
Choral Music 2	3620	10-12	1	5	Choral Music 1		
Choral Music 3	3630	11-12	1	5	Choral Music 2		
Choral Music 4	3640	12	1	5.5	Choral Music 3		
Vocal Ensemble 1	3650	9-12	1	5	none		
Vocal Ensemble 2	3651	10-12	1	5	Vocal Ensemble 1		
Vocal Ensemble 3	3652	11-12	1	5	Vocal Ensemble 2		
Vocal Ensemble 4	3653	12	1	5.5	Vocal Ensemble 3		
Applied Music 1	3810	10-12	1	5			
Applied Music 2	3811	11-12	1	5	Applied Music 1		
Varsity Band 1	3510	9-12	1	5			
Varsity Band 2	3511	10-12	1	5			
Varsity Band 3	3512	11-12	1	5			
Concert Band 1	3520	9-12	1	5			
Concert Band 2	3521	10-12	1	5			
Concert Band 3	3522	11-12	1	5			
Concert Band 4 (Ad)	3533	12	1	5.5			
Symphonic Band 1	3531	9-12	1	5			

Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Symphonic Band 2	3532	10-12	1	5			
Symphonic Band 3	3533	11-12	1	5			
Symphonic Band 4 (Ad)	3534	12	1	5.5			
Wind Ensemble	3541	9-12	1	5			
Wind Ensemble	3542	10-12	1	5			
Wind Ensemble	3543	11-12	1	5			
Wind Ensemble (Ad)	3544	12	1	5.5			
Mus 1 Jazz Band	3546	9-12	1	5			
Mus 2 Jazz Band	3547	10-12	1	5			
Mus 3 Jazz Band	3548	11-12	1	5			
Mus 4 Jazz Band (Ad)	3549	12	1	5.5			
Art 1	3100	9-12	1	5	None		
Art 2 Drawing	3104	9-12	1	5	Art I		
Art 2 Digital Art and Media	3109	9-12	1	5	Art I		
Art 2 Painting	3105	9-12	1	5	Art I		
Art 2 Photography	3106	9-12	1	5	Art I		
Art 2 Ceramics	3107	9-12	1	5	Art I		
Art 2 Sculpture	3108	9-12	1	5	Art I		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Art 3 Digital Art and Media	3117	10-12	1	5	Art II		
Art 4 Drawing	3121	10-12	1	5.5	Art III		
Art 4 Painting	3122	10-12	1	5.5	Art III		
Art 4 Ceramics	3124	10-12	1	5.5	Art III		
Art 4 Photography	3127	10-12	1	5.5	Art III		
Art 4 Sculpture	3125	10-12	1	5.5	Art III		
Art 4 Digital Art and Media	3128	10-12	1	5.5	Art III		
Art 4 Advanced Placement 2 D Portfolio	3132	10-12	1	6	Art III		
Art 4 Advanced Placement 3 D Portfolio	3134	10-12	1	6	Art III		
Art 4 Advanced Placement Drawing Portfolio	3131	10-12	1	6	Art III		
IB Art Design SL/HL	3466, 3465	11-12	1	6			
Art History Advanced Placement	3136P	11-12	1	6	None		
Camerata Orch 1	3701	9-12	1	5			APP
Camerata Orch 2	3702	10-12	1	5			APP
Camerata Orch 3	3703	11-12	1	5			APP
Camerata Orch 4 (Ad)	3704	12	1	5.5			APP
Sinfonietta Orch 1	3708	9-12	1	5			APP
Sinfonietta Orch 2	3709	10-12	1	5			APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Concert Orchestra 1	3710	9-12	1	5			APP
Concert Orchestra 2	3711	10-12	1	5			APP
Concert Orchestra 3	3712	11-12	1	5			APP
Concert Orchestra 4 (Ad)	3713	12	1	5.5			APP
Chamber Orchestra 1	3720	9-12	1	5			APP
Chamber Orchestra 2	3721	10-12	1	5			APP
Chamber Orchestra 3	3722	11-12	1	5			APP
Chamber Orchestra 4 (Ad)	3723	12	1	5.5			APP
Philharmonic Orchestra 1	3725	9-12	1	5			APP
Philharmonic Orchestra 2	3726	10-12	1	5			APP
Philharmonic Orchestra 3	3727	11-12	1	5			APP
Philharmonic Orchestra 4 (Ad)	3728	12	1	5.5			APP
Symphony Orchestra 1	3730	9-12	1	5			APP
Symphony Orchestra 2	3731	10-12	1	5			APP
Symphony Orchestra 3	3732	11-12	1	5			APP
Symphony Orchestra 4 (Ad)	3733	12	1	5.5			APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Concert Orchestra 3	3712	11-12	1	5			APP
Concert Orchestra 4 (Ad)	3713	12	1	5.5			APP
Chamber Orchestra 1	3720	9-12	1	5			APP
Chamber Orchestra 2	3721	10-12	1	5			APP
Chamber Orchestra 3	3722	11-12	1	5			APP
Chamber Orchestra 4 (Ad)	3723	12	1	5.5			APP
Philharmonic Orchestra 1	3725	9-12	1	5			APP
Philharmonic Orchestra 2	3726	10-12	1	5			APP
Philharmonic Orchestra 3	3727	11-12	1	5			APP
Philharmonic Orchestra 4 (Ad)	3728	12	1	5.5			APP
Symphony Orchestra 1	3730	9-12	1	5			APP
Symphony Orchestra 2	3731	10-12	1	5			APP
Symphony Orchestra 3	3732	11-12	1	5			APP
Symphony Orchestra 4 (Ad)	3733	12	1	5.5			APP
Practicum Music Education	3812	11-12	1	5	Must be enrolled in band, choir or orchestra program		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Music Theory AP	3821	11-12	1	6			
Theatre Arts 1	3299	9-12	1	5			
Theatre Arts 2	3300	10-12	1	5	Theatre Arts 1		
Theatre Arts 3	3301	11-12	1	5	Theatre Arts 2		
Theatre Arts 4	3302	12	1	5.5	Theatre Arts 3		
Theatre Production 1	3307	9-12	1	5			APP
Theatre Production 2	3308	10-12	1	5	Theatre Production 1		APP
Theatre Production 3	3309	11-12	1	5	Theatre Production 2		APP
Theatre Production 4	3310	12	1	5.5	Theatre Production 3		APP
Tech Theatre 1	3303	9-12	1	5			
Tech Theatre 2	3304	10-12	1	5	Tech Theatre 1		
Tech Theatre 3	3305	11-12	1	5	Tech Theatre 2		
Tech Theatre 4	3306	12	1	5.5	Tech Theatre 3		
Tech Theatre Production 1	3311	9-12		5			APP
Tech Theatre Production 2	3312	10-12		5	Tech Prod. 1		APP
Tech Theatre Production 3	3313	10-12	1	5	Tech Prod. 2		APP
Tech Theatre Production 4	3314	11-12	1	5	Tech Prod. 3		APP
Musical Theatre I	3331	9-12	1	5	Must be enrolled in 1 of the following (Dance, Theatre, or Choir)		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Theatre Management	3315	10-12	1	5			
Adv Theatre Management	3316	11-12	1	5	Theatre Management		
Principles of Dance I (PE & Non PE)	3900, 3900PE	9-12	1	5	None		
Principles of Dance II (PE & Non PE)	3901, 3901PE	10-12	1	5			
Principles of Dance III (PE & Non PE)	3902, 3902PE	10-12	1	5			
Principles of Dance IV (PE & Non PE)	3903, 3903PE	10-12	1	5.5			
Partners in Dance I (PE & Non PE)	3951, 3951PE	9-12	1	5	None		
Partners in Dance II (PE & Non PE)	3952, 3952PE	10-12	1	5	Dance I		
Partners in Dance III (PE & Non PE)	3953, 3953PE	10-12	1	5	Dance II		
Partners in Dance IV (PE & Non PE)	3954, 3954PE	10-12	1	5.5	Dance III		
Dance Crew I (PE & Non PE)	3915, 3915PE	9-12	1	5	None		APP
Dance Crew II (PE & Non PE)	3916, 3916PE	10-12	1	5	Crew I		APP
Dance Crew III (PE & Non PE)	3917, 3917PE	10-12	1	5	Crew II		APP
Dance Crew IV (PE & Non PE)	3918, 3918PE	10-12	1	5.5	Crew III		APP
Dance Company I (PE & Non PE)	3900C, 3900CPE	9-12	1	5	None		APP
Dance Company II (PE & Non PE)	3901C, 3901CPE	10-12	1	5	Company II		APP
Dance Company III (PE & Non PE)	3902C, 3902CPE	10-12	1	5	Company II		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Dance Company IV (PE & Non PE)	3903C, 3903CP E	10-12	1	5.5	Company III		APP
Dance Team/Drill Team I (PE & Non PE)	3900T, 3900PE	9-12	1	5	None		APP
Dance Team/Drill Team II (PE & Non PE)	3901T, 3901PE	10-12	1	5	Team I		APP
Dance Team/Drill Team III (PE & Non PE)	3902T, 3902PE	10-12	1	5	Team II		APP
Dance Team/Drill Team IV (PE & Non PE)	3903T, 3903PE	10-12	1	5.5	Team III		APP
Dance Wellness I	3941	9-12	1	5	None		
Dance Wellness II	3942	10-12	1	5	Wellness I		
Dance Wellness III	3943	10-12	1	5	Wellness II		
Dance Wellness IV	3944	10-12	1	5.5	Wellness III		
Dance Composition & Improv I	3933	9-12	1	5	None		APP
Dance Composition & Improv II	3934	10-12	1	5	Improv I		APP
Dance Composition & Improv III	3935	10-12	1	5	Improv II		APP
Dance Composition & Improv IV	3936	10-12	1	5.5	Improv III		APP
IB World Dance	3464	9-12	1	6	In IB Program		



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Dance Appreciation - Dual Credit	3970DC	10-12	1	6			APP
Dance Company IV (PE & Non PE)	3903C, 3903CP E	10-12	1	5.5	Company III		APP
Dance Team/Drill Team I (PE & Non PE)	3900T, 3900TP E	9-12	1	5	None		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



