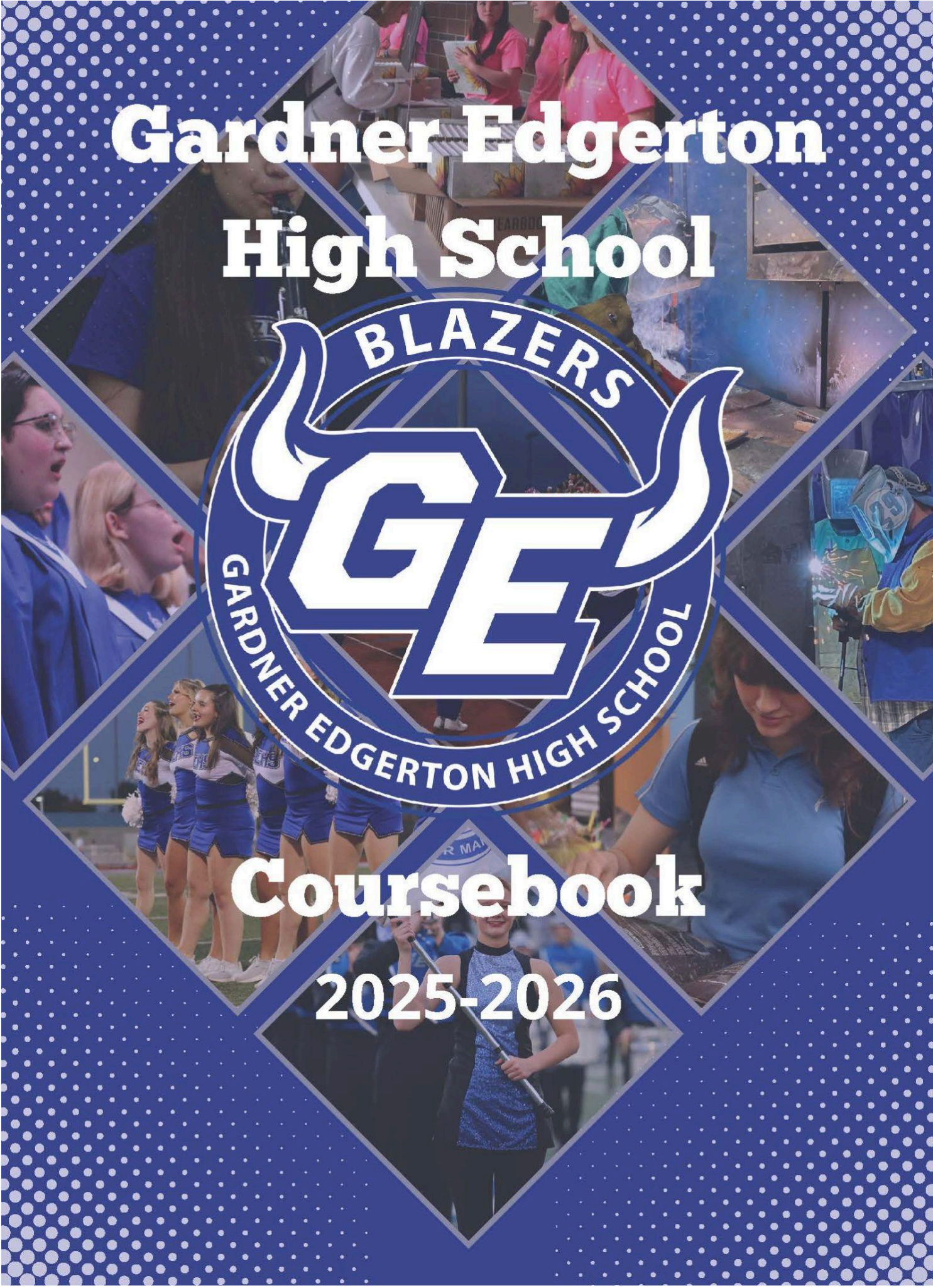


Gardner Edgerton High School



Coursebook

2025-2026





**Frank Bell, Principal
Gardner Edgerton High School
425 N. Waverly
Gardner, Kansas 66030**



GEHS Students and Parents:

Thank you for reading the *2025-2026 Course Handbook*. The purpose of this publication is to educate students and parents as they work together to plan for the upcoming school year. It is very important that you carefully coordinate, communicate, and calculate your decisions based upon the graduation criteria set forth by the USD 231 Board of Education, as well as your child's post-secondary plans.

Please understand the classes selected during pre-enrollment are considered a binding commitment. Students cannot drop courses once the deadline to change has passed. This policy is outlined in the box on page 1. Our staff uses the information provided from our students to make decisions regarding the entire building schedule.

As you read the *Course Handbook*, take note of the information regarding dual credit, NCAA eligibility, Qualified Admissions, and Kansas Scholars' Curriculum. Please pay close attention to the information about our AP and Honors programs as they have very specific criteria for enrollment and withdrawal.

Should you have questions regarding any aspect of the pre-enrollment process, individual courses, or seeking guidance from the counseling staff, please contact the appropriate school counselor at 913-856-2617.

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The Course Selection Process

The scheduling process is the shared responsibility of students, parents, teachers and counselors. All of these people contribute ideas and information which result in effective educational programs for students. Since students' educational programs have implications for post-high school education and eventual career choice, careful planning is required.

Parents assist students in the process by discussing alternatives with them and helping them analyze individual interests, needs and goals. Involvement of parents provides students with the support, encouragement and knowledge needed for this important step in educational career planning.

Teachers are available to discuss curriculum with students to provide understanding of the many options available. Students are encouraged to seek their teacher's recommendations before enrolling in some courses so they are appropriately placed and meet prerequisites.

Counselors are available to assist students, parents and teachers in developing a sound educational program. The counselors have skills, experience and accessibility to information needed to help students in the process.

Students are provided information about subjects available to them. They must choose subjects which give them knowledge and skills necessary as determined by their current educational and career plan.

The Importance of Course Selection

If students give careful thought to the future, they will realize that course selection is a means to an end, not an end in itself. They are encouraged to seek as much information as needed from parents, teachers, counselors and other students in order to make wise choices. Personal conferences can be arranged with teachers or counselors by calling the school office. **Based on the student's choices, decisions will be made about which courses will be scheduled. Low enrollment may cause a course to be deleted. Students should choose alternate courses carefully.**

Honors, Advanced Placement, College Now

Students may initiate the process of enrolling in any honors, advanced placement, or College Now courses. High school staff will make recommendations to assist students and parents in determining the students' prospects for success in honors, advanced, or College Now courses.

Course Change Policy

All students have the opportunity to select their own courses and, as much as possible, these requests will be honored. Courses are scheduled based on the student request forms. Please be aware that if a course is listed on the student request form, it is very rare that class preference changes are allowed (changing your mind about courses selected). **Students are not allowed to drop AP or Honors classes.** Changing a student's schedule to accommodate a specific teacher is not permitted.

Changes will only be made for the following reasons:

- Conflicts appearing due to computer error
- Changes needed to meet graduation requirements
- Failure of a prerequisite course
- Health reasons
- Successful completion of the course in summer school

Important Academic Information

Credits

1/2 unit of credit will be granted for satisfactory completion of an approved course meeting for 18 weeks. "K" credit can be earned by successfully completing a semester as a Teacher Aide.

GPA Calculation & Weighted Grades

To encourage and reward students who complete a rigorous schedule, GEHS weights designated courses taught on campus.

	A	B	C	D	F
Regular	4.00	3.00	2.00	1.00	0.00
Honors/AP	5.00	3.75	2.50	1.25	0.00

Grading Scale

A	93 & Above	B-	82-80	D+	69-67
A-	92-90	C+	79-77	D	66-63
B+	89-87	C	76-73	D-	62-60
B	86-83	C-	72-70	F	59 & Below

Honor Rolls

Outstanding Scholars - 4.00—Weighted GPA by semester

High Honor Roll - 3.50 Average—Weighted GPA by semester

Honor Roll - 3.00 Average—Weighted GPA by semester

Opt-Out/Attendance Incentive

Students cannot opt out of taking finals for AP or Honors classes.

Part-Time Students

Seniors who have sufficient credits are eligible for a part-time schedule. Part-time enrollment is **limited to second semester**. An application must be completed through the counseling office. Eligibility in KSHSAA activities may be impacted.

Report Cards

Semester report cards will be available on PowerSchool.

Transcript Requests

Students needing transcripts for colleges or other official agencies can email the registrar at estest@usd231.com or fill out a request form that can be found on the USD 231 website **GEHS Menu Counselor [Transcript Request Form](#)**. Students are encouraged to plan ahead as there may be a five-day turn-around for transcripts to be processed.

Transfer Students

In the case of transfer students, when in the judgment of the district representative a pupil can profit by substitution of a course or waiver of local requirements, this shall be done. Transfer grades for Honors or AP courses offered by GEHS will receive the same extra weighted credit. If the Honors or AP coursework is not offered at GEHS, the grades transferred will not be weighted.

GEHS Activity Eligibility

Students are reminded they must meet GEHS and KSHSAA activity eligibility requirements to participate in all KSHSAA activities and some GEHS activities. KSHSAA requirements state that students must pass a minimum of five new subjects of equal unit weight the previous semester in order to participate. Additionally, local schools have the authority to make those standards more rigorous. KSHSAA activities include: Instrumental Music, Cross Country, Vocal Music, Football, Forensics, Volleyball, Wrestling, Basketball, Track, Tennis, Baseball, Softball, Golf, Cheerleading, Dance Team, Scholars Bowl, Soccer, Debate and Bowling. GEHS activities may include: drama, plays, homecoming/winter royalty candidacy and competitive choir. Reminder to students and parents: Aide and Driver Education do not count as subjects of equal unit weight. Courses passed during Summer School do not count toward eligibility.

NCAA Eligibility

Division I & II 16 CORE-COURSE RULE

16 Core Courses:

4 years - English*

3 years - Mathematics (Algebra I or higher)

2 years - Natural/Physical Science (1 year of lab if offered by high school)

1 year - additional English, Math, or Natural/Physical Science

2 years - Social Science

4 years - additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

Student must graduate with a 2.3 GPA. Check with your counselor for specific NCAA requirements. Check out the website at www.eligibilitycenter.org for additional information.

**Division II requires 3 credits of English instead of 4.*

NAIA Eligibility

For information on NAIA eligibility, check out their website at www.naia.org.

GRADUATION CREDIT CHECKLIST

	Class of 2026 & 2027	Class of 2028	Class of 2029 & beyond
Language Arts: 4 credits	English 9 (1.0) <input type="checkbox"/>	English 9 (1.0) <input type="checkbox"/>	English 9 (1.0) <input type="checkbox"/>
	English 10 (1.0) <input type="checkbox"/>	English 10 (1.0) <input type="checkbox"/>	English 10 (1.0) <input type="checkbox"/>
	English 11 (1.0) <input type="checkbox"/>	English 11 (1.0) <input type="checkbox"/>	English 11 (1.0) <input type="checkbox"/>
	English 12 (1.0) <input type="checkbox"/>	English 12 (1.0) <input type="checkbox"/>	English 12 (1.0) <input type="checkbox"/>
Speech: 0.5 credit (Debate, Forensics, Speech)	Not Required	Speech (0.5) <input type="checkbox"/>	Speech (0.5) <input type="checkbox"/>
Social Science: 3 credits	World Geography (0.5) <input type="checkbox"/>	World Geography (0.5) <input type="checkbox"/>	World Geography (0.5) <input type="checkbox"/>
	World History (1.0) <input type="checkbox"/>	World History (1.0) <input type="checkbox"/>	World History (1.0) <input type="checkbox"/>
	US History (1.0) <input type="checkbox"/>	US History (1.0) <input type="checkbox"/>	US History (1.0) <input type="checkbox"/>
	American Government (0.5) <input type="checkbox"/>	American Government (0.5) <input type="checkbox"/>	American Government (0.5) <input type="checkbox"/>
Fine Arts: 0.5 credit/1 credit (Art, Theater, Music)	_____ (0.5) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
Mathematics: 3 credits	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
Science: 3 credits	Physical Science (1.0) <input type="checkbox"/>	Physical Science (1.0) <input type="checkbox"/>	Physical Science (1.0) <input type="checkbox"/>
	Biology (1.0) <input type="checkbox"/>	Biology (1.0) <input type="checkbox"/>	Biology (1.0) <input type="checkbox"/>
	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
STEM: 1 credit (Advanced classes: Math, Science, CTE, Tech)	Not Required	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
Physical Education: 1.5 credits (Starting with Class of 2029: 0.5 credit of PE Foundations must be taken Freshman year)	Health (0.5) <input type="checkbox"/>	Health (0.5) <input type="checkbox"/>	Health (0.5) <input type="checkbox"/>
	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>	_____ (1.0) <input type="checkbox"/>
Career & Life Planning: 0.5 credit	Career & Life Planning (0.5) <input type="checkbox"/>	Career & Life Planning (0.5) <input type="checkbox"/>	Career & Life Planning (0.5) <input type="checkbox"/>
Financial Literacy: 0.5 credit	Not Required	Financial Literacy (0.5) <input type="checkbox"/>	Financial Literacy (0.5) <input type="checkbox"/>
Electives: 12.5 credits/10 credits	_____ (12.5) <input type="checkbox"/>	_____ (10.0) <input type="checkbox"/>	_____ (10.0) <input type="checkbox"/>
Post Secondary Assets: (Academic, Career, Real-World) **Not included in total credits needed**	Not Required	Various	Various
TOTAL CREDITS NEEDED:	28	28	28

SAMPLE 4 YEAR PLAN

for the Class of 2028

Career Interest(s): _____

Career Pathway(s): _____

Requirements	9th Grade	Credits	10th Grade	Credits	11th Grade	Credits	12th Grade	Credits
Language Arts (x4 credits)	English 9 or Honors English 9	1	English 10 or Honors English 10	1	English 11 or AP English 11	1	English 12 or Honors English 12 or AP English 12	1
Math (x3 credits)	Must take 1 math credit	1	Must take 1 math credit	1	Must take 1 math credit	1		
Science (x3 credits) (1.0 Physical, 1.0 Biology, 1.0 Other Science)	Must take 1 science credit	1	Must take 1 science credit	1	Must take 1 science credit	1		
Social Science (x3 credits) (0.5 Geography, 1.0 World, 1.0 US, 0.5 Amer Govt)	World Geography or Honors World Geography	0.5	World History or AP European History	1	US History or AP US History	1	American Government or Honors American Government	0.5
Fine Arts (1.0 credit)								
Career & Life Planning (0.5 credit)	Career & Life Planning	0.5						
Physical Education (1.5 credits)			Health	0.5				
Speech (0.5 credit)								
STEM (1.0 credit)								
Financial Literacy (0.5 credit)							Financial Literacy	0.5
Post-Secondary Assets								
Electives (10.0 credits)								
Total Credits <i>(28 total needed for graduation)</i>	9th grade total: (need 8)		10th grade total: (need 8)		11th grade total: (need 8)		12th grade total: (need 4+)	

SAMPLE 4 YEAR PLAN

for the Class of 2029 & beyond

Career Interest(s): _____

Career Pathway(s): _____

Requirements	9th Grade	Credits	10th Grade	Credits	11th Grade	Credits	12th Grade	Credits
Language Arts (x4 credits)	English 9 or Honors English 9	1	English 10 or Honors English 10	1	English 11 or AP English 11	1	English 12 or Honors English 12 or AP English 12	1
Math (x3 credits)	Must take 1 math credit	1	Must take 1 math credit	1	Must take 1 math credit	1		
Science (x3 credits) (1.0 Physical, 1.0 Biology, 1.0 Other Science)	Must take 1 science credit	1	Must take 1 science credit	1	Must take 1 science credit	1		
Social Science (x3 credits) (0.5 Geography, 1.0 World, 1.0 US, 0.5 Amer Gov't)	World Geography or Honors World Geography	0.5	World History or AP European History	1	US History or AP US History	1	American Government or Honors American Government	0.5
Fine Arts (1.0 credit)								
Career & Life Planning (0.5 credit)	Career & Life Planning	0.5						
Physical Education (1.5 credits)	PE Foundations	0.5	Health	0.5				
Speech (0.5 credit)								
STEM (1.0 credit)								
Financial Literacy (0.5 credit)							Financial Literacy	0.5
Post-Secondary Assets								
Electives (10.0 credits)								
Total Credits <i>(28 total needed for graduation)</i>	9th grade total: (need 8)		10th grade total: (need 8)		11th grade total: (need 8)		12th grade total: (need 4+)	

Ways to Earn College Credit While Still in High School

Advanced Placement Exams

Certain advanced courses in the high school program are designated Advanced Placement. Students can elect to take the AP Exam by registering and paying the fee. The counselor will provide more information as the deadline approaches. The Advanced Placement examinations given each May are scored by the Education Testing Service. Each examination receives an overall grade on a 5-point scale:

- 5 points - extremely well qualified
- 4 points - well qualified
- 3 points - qualified
- 2 points - possibly qualified
- 1 point - no recommendation

Each college decides what AP examination grades it will accept. Many colleges accept grades of 3 or better and give the student credit as if that student had taken one or more basic courses in the subject tested. In some cases, credit is not given, but the necessity of taking basic courses is waived. College bound students should consider taking one or more AP courses. Research shows students completing one or more AP courses regardless of their grades, do better in college than those never taking AP courses.

The following are the AP courses offered:

AP Biology	AP Calculus AB	AP Calculus BC
AP Chemistry	AP English 11	AP English 12
AP European History	AP Physics I	AP Physics II
AP Statistics	AP US History	AP Computer Sci Princ
AP Computer Science		

College Now

The College Now program for high school juniors & seniors is offered in cooperation with JCCC. A student must complete a JCCC application, assessments as required, and provide payment for tuition. A high school transcript is not required at the time of enrollment. College Now classes are aligned with the curriculum at JCCC, but are taught in the high school classroom.

College Now Courses	ACT Sub-Score
AP Physics I	Math: 23
HN American Government	**
HN Pre-Calculus	22
HN English 12 (Comp I & Comp II)	English 19
College Algebra	Math: 22
AP Biology	**
AP Calculus AB	Math: 28
AP Calculus BC	Math: 28
AP Statistics	Math: 23
AP US History	**
General Services I/II/III	**
Fire Science I	**

There are no testing requirements for the following College Now classes: American Government, Biology, AP US History. Students may also take the Accuplacer test and qualify for college credit with an appropriate score. This exam can be used in lieu of the ACT exam for Junior College Admission. For more information, check out the JCCC website at www.jccc.edu. **College Now students cannot drop the course at semester.

College Release (Quickstep at JCCC)

This college release program is for seniors. Instruction is provided by JCCC faculty and held on the college campus. The student must complete a JCCC admissions application, and assessments (if required) and provide payment for tuition. In addition, students seeking dual credit must first complete a contract with a high school counselor and receive final approval from an administrator.

Post High School College Recommendations

College Entrance Recommendations

Students who plan to enter two or four-year colleges should check admission requirements at the institutions in which they are interested. Requirements may include college readiness exams. Most colleges require a minimum "C" average. Highly competitive colleges require "B" average or better for admission. A record of good behavior and cooperation with school staff and classmates is expected and necessary in order to receive satisfactory recommendations for college. Good academic & attendance records & involvement in school and/ or community activities are the best recommendations an applicant can offer. Please allow 2 weeks notice when requesting a letter of recommendation from your counselor.

Traditional College Entrance Recommendations

College bound students should consider a high school program which will prepare them for university work. A minimum program should include:

Language Arts	4 credits
Mathematics	3 credits
Science	3 credits
Social Sciences	3 credits
Foreign Languages	2 credits

Selective College & University Entrance Recommendations

Many selective colleges, both public and private, recommend these high school courses:

Language Arts	4 credits
Mathematics (Algebra I, Geometry & Upper Level)	4 credits
Science (Biology, Chemistry & Physics)	4 credits
Social Sciences	3.5 credits
Foreign Language (In the same language)	4 credits
Visual and/or Performing Arts	1 credit

Preparation in language arts, mathematics, foreign languages, science and social studies helps in securing admission and enhances success in college work.

Kansas Scholars Curriculum

Students who complete the following will receive a certificate from the Kansas Board of Regents and may be considered for the Kansas State Scholars Program.

- 4 credits in English
- 3 credits in Natural Science (one credit each in Biology, Chemistry and Physics)
- 4 credits in Math including Algebra II plus one additional higher course
- 3 credits in Social Science
- 2 credits in Foreign Language (two yrs of same language)



Qualified Admissions

The six state universities in Kansas--Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, The University of Kansas, and Wichita State University--use the standards below, set by the Kansas Board of Regents, to review applicants for undergraduate admission.

ACCREDITED HIGH SCHOOL

Freshmen applicants, aged 21 & younger, who graduate from an accredited high school, will be guaranteed admission to six state universities by meeting the Qualified Admissions requirements designated by each university, as follows:

ESU, PSU, FHSU, & WSU:

- Cumulative High School GPA 2.25+ or ACT 21+ (SAT 1060) *

K-State:

- Cumulative High School GPA 3.25+ or ACT 21+ (SAT 1060) *

KU:

Cumulative High School GPA 3.25+

- Cumulative GPA 2.0+ for College Credits earned in High School

OR Cumulative GPA 2.0+ and ACT 21+ (SAT 1060) *

ALL Institutions Require:

- Cumulative GPA 2.0+ for College Credits earned in High School

KANSAS SCHOLARS CURRICULUM IS RECOMMENDED BUT NOT REQUIRED: To best prepare for the rigor of college level courses, following Kansas Scholars curriculum is recommended. **One unit is equivalent to one year, or two semesters:**



English
4 units



Math
4 units

1 unit of each:
Algebra I, Geometry,
Algebra II
1 unit: Advanced Math
See [KS Scholars page](#)
for Math course list



Social Science
3 units

1 unit of U.S. History
.5 unit of U.S. Gov
.5 unit of World History
1 unit: Social Science course
See [KS Scholars page](#)
for Social Science course list



Science
3 units

1 unit of each:
Biology, Chemistry and
Physics



Foreign Language
2 units of the same
language

KANSAS SCHOLARS PROGRAM: More information about the Kansas Scholars Scholarship & Curriculum can be found [here](#) (pdf).

HOMESCHOOL & UNACCREDITED HIGH SCHOOL

Freshman applicants, aged 21 and younger, who are homeschooled or graduate from an unaccredited high school will be guaranteed admission to the six state universities by achieving an ACT score equivalent with those outlined above, per each university. If you enroll in college courses while in high school, it is also required that you achieve a 2.0 GPA or higher in those courses (2.5 if applying to KU**).

**If you do not meet the qualified admission requirements, you are still encouraged to apply. Your application will be reviewed individually. Contact the university admissions office for more information.*

This document provides a summary overview of admission requirements at state universities and is not a substitute for or to be used in lieu of the actual detailed admissions requirements, which can be found at: www.kansasregents.org/qualified_admissions_rules_regulations.

Date: December 2022

ADVANCED TECHNICAL CENTER

Career and Technical Education Pathway Courses

Pathway: Construction and Design

	Strand: Design	Strand: Construction
Introductory Level	Introduction to Building Trades (0.5)	
Technical Level	Interior Design I (0.5) Architectural Des (1.0) Drafting/CAD (0.5)	Building Trades I (1.0)
Application Level	Advanced Studies (0.5) Sustainable Architectural Design (1.0)	Building Trades II (1.0) Building Trades III (1.0)

Pathway: Manufacturing Strand: Production

Introductory Level	Introduction to Welding (0.5) Intro to Building Trades (0.5)
Technical Level	Welding Processes I (1.0) Production Methods I (1.0) Drafting/CAD (1.0)
Application Level	Welding Processes II Advanced Drafting/CAD (1.0) Research & Design for Manufacturing (1.0)

Pathway: Mobile Equipment Maintenance

	Strand: Auto Tech	Strand: Collision
Introductory Level	Automotive Information (0.5) Business Essentials (0.5) Introduction to Building Trades (0.5)	
Technical Level	General Services I (1.0)	Auto Collision I (1.0)
Application Level	General Services II General Services III	Auto Collision II (1.0) Auto Collision III (1.0) Research & Emerging Trends

Advanced Studies

Grade Level: 10, 11, 12
0.5 credit

Pick your learning path with Advanced Studies or take it twice! In Architecture learn about reclaiming a "brownfield site" of underutilized land and buildings while taking advantage of existing infrastructure to redesign a healthy community while minimizing the development's environmental impact. In Engineering, continue to expand your knowledge and skills to earn a Solidworks CSWA and CSWP certification. Learn advanced techniques of solid modeling and design to increase your productivity.

Architectural Design

Prerequisite: Drafting/CAD
Grade Level: 10, 11, 12
1.0 credit

In this Technical Level course, the student will be introduced to the field of residential architecture. Existing homes will be analyzed for design flaws and quality design concepts. A full set of house plans will be designed in both 2D using AutoCAD and 3D solid modeling REVIT.

Auto Collision I

Fee: \$50
Grade Level: 9, 10, 11, 12
1.0 credit

Auto Collision I provides students with an introduction into the Collision Repair industry. Students will learn about vehicle structure, glass, exterior panels and interior panels. Students will complete several tasks that are required for an entry level position in a collision repair facility.

Auto Collision II

This course counts as STEM credit.
Prerequisite: Auto Collision I
Fee: \$50
Grade Level: 10, 11, 12
1.0 credit

A comprehensive, application level course designed to combine skills learned in Collision I. Students will work towards their I-CAR Certification, learn to write estimates, and complete advanced projects. This course is designed to prepare students for a career in the collision or insurance industry.

Auto Collision III

This course counts as STEM credit.
Prerequisite: Auto Collision I and II
Fee: \$50
Grade Level: 11, 12
1.0 credit

An advanced application level course designed to provide students with the skills needed to perform diagnosis and repair in custom refinishing.

Automotive Information

Fee: \$25
Grade Level: 9, 10, 11
0.5 credit

An introductory level course designed to provide students with the basic automotive vehicle system knowledge. This includes systems such as engine operation, brakes, electrical, drivetrain, steering, and suspension. Students will be able to use the latest equipment to understand, diagnose and repair vehicle components. The objective of the course is to prepare students for upper level automotive courses.

Building Trades I

Prerequisite: Intro to Building Trades

Fee: \$50

Grade Level: 10, 11, 12

1.0 credit

A comprehensive course designed to instruct students in basic carpentry knowledge and skills required for construction of residential structures. This includes topics such as blueprint reading, estimating building material cost, basic framing, and installation of insulation/windows/doors.

Building Trades II

This course counts as STEM credit.

Prerequisite: Building Trades I

Fee: \$50

Grade Level: 11, 12

1.0 credit

An advanced comprehensive course designed to instruct students in the complete building trades of residential and commercial construction. Topics include areas such as concrete, electrical, HVAC and plumbing techniques.

Building Trades III

This course counts as STEM credit.

Prerequisite: Building Trades I and II

Fee: \$50

Grade Level: 12

1.0 credit

This application level course goes beyond common architecture to deep dive into the principles of green and sustainable design for the building life cycle. The ability for humanity and nature to coexist in a healthy, supportive, diverse, and sustainable condition is a key to the future of architecture. LEED Zero projects and the U.S. Green Building Council will be researched.

Drafting/CAD

Prerequisite: Algebra I

Grade Level: 9, 10, 11, 12

1.0 credit

This technical level course is designed to be your starting point to explore a possible career in Engineering or Architecture. Students will develop an understanding of the basic principles of print reading, view identification, annotation in an engineer's notebook, and sketching. The student will build upon these principles while learning both 2D production drawing on AutoCAD and 3D Solid Modeling and Assemblies using Solidworks. Students will problem-solve design challenges using the design process. During this course, the student will have the opportunity to take a professional exam to earn a nationally recognized certification as a Certified Solidworks Associate.

General Services I

Prerequisite: Automotive Information

Fee: \$50

Grade Level: 10, 11, 12

1.0 credit

A comprehensive, technical level course designed to provide students with the basic automotive vehicle system knowledge. This includes systems such as engine operation, brakes, electrical, drivetrain, steering, and suspension. Students will be able to use the latest equipment to understand, diagnose and repair complex vehicle components. The objective of the course is to prepare students for entry-level employment in the field of automotive and light truck service while offering the opportunity for ASE Certifications.

General Services II

This course counts as STEM credit.

Prerequisite: General Services I (Auto Tech I)

Fee: \$50

Grade Level: 11, 12

1.0 credit

A comprehensive, application level course designed to provide students with more in-depth automotive vehicle knowledge as well as more hands-on training to diagnose and repair vehicle systems. This includes systems such as engine performance, advanced brakes, electrical circuits and components, drivetrain, steering, and suspension. The objective of the course is to prepare students for entry-level employment in the field of automotive and light truck service while offering the opportunity for ASE Certifications.

General Services III

This course counts as STEM credit.

Prerequisite: General Services II (Auto Tech II)

Fee: \$50

Grade Level: 12

1.0 credit

A comprehensive, application level course designed to provide students with more in-depth automotive vehicle knowledge as well as more hands-on training to diagnose and repair vehicle systems. This includes systems such as engine performance, advanced brakes, electrical circuits and components, drivetrain, steering, and suspension. The objective of the course is to prepare students for entry-level employment in the field of automotive and light truck service while offering the opportunity for ASE Certifications.

Introduction to Building Trades

Grade Level: 9, 10, 11, 12

Fee: \$25

0.5 credit

Earn a nationally recognized OSHA 10 Certification while acquiring industry skills of blueprint reading, basic drafting, CAD solid modeling, laser cutting and engraving, and operating a CNC router.

Introduction to Welding

Grade Level: 9, 10, 11

0.5 credit

Fee: \$25

An introductory level course designed to instruct students in basic welding skills.

Production Methods I

Prerequisite: Introduction to Welding

Fee: \$50

Grade Level: 12

1.0 credit

A comprehensive, technical level course instructing students in the knowledge & skills required for fabricating products using a variety of materials (wood, plastic, metal, composites).

Research & Design for Manufacturing

Instructor Approval

Fee: \$20

Grade Level: 11, 12

1.0 credit

This application level course goes beyond common architecture to deep dive into the principles of green and sustainable design for the building life cycle. The ability for humanity and nature to coexist in a healthy, supportive, diverse, and sustainable condition is a key to the future of architecture. LEED Zero projects and the U.S. Green Building Council will be researched.

Research & Emerging Trends

Prerequisite: Auto Collision III or concurrent enrollment

Fee: \$10

Grade Level: 11, 12

0.5 credit

An advanced research and application course covering specific topics in transportation. This course may include opportunities for IHT, OJT and/or Internships.

Sustainable Architectural Design

Prerequisite: Drafting/CAD, Architectural Design

Grade Level: 11, 12

1.0 credit

An advanced research and application course covering specific topics in architecture including LEED, Net Zero, and green/sustainability in new design as well as renovation of existing structures.

Welding Processes I

Prerequisite: Introduction to Welding

Fee: \$50

Grade Level: 10, 11, 12

1.0 credit

A technical level course designed to instruct students in the knowledge and skills needed to perform welding procedures.

Welding Processes II

This course counts as STEM credit.

Prerequisite: Welding Processes I

Fee: \$50

Grade Level: 11, 12

1.0 credit

An advanced, application level course that builds on skills learned in Production Welding Processes I and provides opportunities for applying welding skills.

BUSINESS FINANCE & MARKETING

Career and Technical Education Pathway Courses

Pathway: Business Finance Strand: Accounting

Introductory Level	Business Essentials (0.5)
Technical Level	Accounting I (1.0)
	Financial Literacy (0.5)
	Entrepreneurship (0.5)
	Business Law (0.5)
Application Level	Accounting II (1.0)

Pathway: Marketing

Introductory Level	Business Essentials (0.5)
Technical Level	Principles of Marketing (1.0)
	Accounting I (1.0)
	Graphic Design (1.0)
	Entrepreneurship (0.5)
	Web Page Design (1.0)
Application Level	Marketing Applications (1.0)

Accounting I

Grade Level: 10, 11, 12

1.0 credit

This course is designed to introduce and provide students a strong foundation in accounting principles. Students will learn what business transactions are and to keep track of these transactions in order to complete the financial accounting cycle. Accounting I will utilize technology for the purpose of journalizing, posting and preparing financial statements.

Accounting II

This course counts as STEM credit.

Prerequisite: Accounting I

Grade Level: 11, 12

1.0 credit

This course is an extension of Accounting I. It is intended to help those students planning a vocation in business management or accounting. Accounting II will utilize technology for the purpose of journalizing, posting and preparing financial statements.

Business Essentials

Grade Level: 9, 10, 11, 12

0.5 credit

This introductory business course is designed to give students an overview of the business, marketing and finance career cluster occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace.

Business Law

Grade Level: 11, 12

0.5 credit

This introduction to law provides a mixture of personal and consumer law, as well as a strong foundation in business law. This course is designed to inform individuals of their legal rights and responsibilities concerning protections, business ownership, and contractual agreements.

Entrepreneurship

Grade Level: 9, 10, 11, 12

0.5 credit

This course will enable you to understand how small businesses are started, operated, and maintained. Entrepreneurship students will learn about their own aptitudes and apply this knowledge with their learning experience of what it takes to launch their own business. Skills, abilities and attitudes necessary to successfully create and operate a business will be the main focus of this course. This is a very quick-paced, project-based course with many activities.

Financial Literacy

Grade Level: 10, 11, 12

0.5 credit

Financial literacy course provides students with an understanding of the concepts, principles, and skills involved in making and applying sound financial decisions. This course emphasizes earning income, spending, saving, investing, managing credit and managing risk.

Marketing Applications

This course counts as STEM credit.

Prerequisite: Principles of Marketing

Grade Level: 11, 12

1.0 credit

Students will get hands-on experience while running the School Store which furthers student understanding and skills in the various marketing functions. Students coordinate channel management, make a marketing and business plan, generate product ideas, create a promotional strategy, and learn sales techniques. Students get real experience running a small business and solving problems that occur on a daily basis.

Principles of Marketing

Grade Level: 10, 11, 12

1.0 credit

This course develops student understanding and skills in the functional areas of marketing: channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students acquire an understanding and appreciation of ethical and legal issues confronting marketers, the use of technology in the marketing functions, marketing strategies, market segmentation, branding, marketing-research activities, quality considerations, the sales process, and current promotional methods. This is a project-based course.

COMPUTER & TECHNOLOGY

Career and Technical Education Pathway Courses

Pathway: Information Support & Services

Introductory Level	Computer Applications (1.0) <small>*semester class*</small>
Technical Level	Intro to Chromebook Repair (1.0) Chromebook Repair I (1.0)
Application Level	Chromebook Repair II (1.0)

Pathway: Digital Media

Introductory Level	Business Essentials (0.5) Computer Applications (1.0) <small>*semester class*</small>
Technical Level	Intro to Multimedia Design (1.0) Digital Media (0.5) Video Production I (0.5) Digital Photography I (0.5) Photojournalism (0.5) Graphic Design Fundamentals (0.5) Graphic Design (1.0)
Application Level	Video Production II (1.0) Video Production III (1.0) Newspaper (Digital Media) (1.0) Yearbook (Digital Media) (1.0)

Pathway: Graphic Design

Introductory Level	Computer Applications (1.0) <small>*semester class*</small>
Technical Level	Graphic Design Fundamentals (0.5) Graphic Design (1.0) Digital Photography I (0.5)
Application Level	Graphic Design Project Mgmt (1.0)

Pathway: Programming & Software Development

Introductory Level	Introduction to Computer Coding (0.5) Computer Applications (1.0) <small>*semester class*</small>
Technical Level	AP Computer Science Principles (1.0) Web Page Design (1.0)
Application Level	AP Computer Science (1.0)

AP Computer Science A

This course counts as STEM credit.

Prerequisite: AP Computer Science Principles

Grade Level: 11, 12

1.0 credit

The AP Computer Science course provides students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. This course covers such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities. The AP exam is not mandatory. This class is in a partnership with K-State and will be using their materials for this course.

AP Computer Science Principles

This course counts as STEM credit.

Prerequisite: Introduction to Computer Coding

Grade Level: 10, 11, 12

1.0 credit

Computer Science Principles (AP) introduces students to the foundational concepts of the field and challenges them to explore how computing and technology can impact the world. The AP exam is not mandatory. This class is in a partnership with K-State and will be using their materials for this course.

Audio Video Production Fundamentals

Fee: \$10

Grade Level: 9, 10, 11, 12

0.5 credit

This course provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as exploring the equipment, editing software and techniques used to develop a quality video production. This course is a prerequisite for Video Production I.

Some after school hours may be required.

Chromebook Repair I

This course counts as STEM credit.

Prerequisite: Intro to Chromebook Repair

Grade Level: 10, 11, 12

1.0 credit

This course prepares students to assist USD 231 Chromebook users by diagnosing their problems, making repairs, and maintaining security requirements. In this high-paced and intellectually demanding course, students work individually and in teams to develop an understanding of computer system technology design and support maintenance. Students learn the basics of computer operations maintenance, upgrades and troubleshooting. These skills and concepts are explored in professional contexts, which lead to an understanding of pathway skills in Information Support and Services.

Chromebook Repair II

This course counts as STEM credit.

Prerequisite: Chromebook Repair I

Grade Level: 11, 12

1.0 credit

This course will include the study of more advanced conceptual and practical skills necessary to identify, install, and manage relevant hardware and software in information systems. Training on various technology tools, professional demeanor, customer service, and troubleshooting are specific areas that will be included. This class works with the Chromebook Repair I students and assists the teacher in training those students. These students will also be completing preparatory competencies to assist them in successful completion of a certificate that aligns with this industry.

Computer Applications

This course counts as STEM credit.

Grade Level: 9, 10, 11, 12

0.5 credit

This is a great course for any student as they explore business and personal uses of a computer. Students will be introduced to word processing, database, spreadsheets, and presentations. Students will also improve their file management and keyboarding skills. Students will have the opportunity to obtain MOS Certifications in Word, Excel and PowerPoint.

Digital Media

Fulfills Fine Arts Requirement

Grade Level: 9, 10, 11, 12

0.5 credit

This course is designed as a semester elective. Students will learn the technical and design skills needed to create various digital and multimedia products. This will include: infographics, audio and video based productions, as well as interactive web based platforms. Students will also study the legal and ethical considerations of digital technology and look at career aspects of the field. **This course is a prerequisite for students interested in being on the Newspaper or Yearbook staff.**

Graphic Design

Fulfills Fine Arts Requirement

Prerequisite: Graphic Design Fundamentals

Fee: \$30

Grade Level: 10, 11, 12

1.0 credit

This year-long course serves as an extended opportunity for students to expand on their skills from Graphic Design Fundamentals. In particular, Graphic Design students will learn how to use industry-standard technology to complete projects in typography as well as logo, product, and packaging design. Students will also be required to learn interpersonal skills that are necessary for working with clients including, but not limited to: client briefs, product presentations, and critiques.

Graphic Design Fundamentals

Fulfills Fine Arts Requirement

Fee: \$30

Grade Level: 9, 10, 11, 12

0.5 credit

This class is designed to give the student a foundational, working knowledge of techniques, tools, materials, and methods used to create digital communication elements. Students will learn various graphic design programs and receive training in design tools which will be used to complete real-world digital communication projects. Time will also be spent discovering the career world of graphic art.

Graphic Design Project Management

Prerequisite: Instructor Recommendation

Grade Level: 11, 12

1.0 credit

This course covers the foundations of project management, including the scheduling of resources (including personnel, budget, timelines and equipment), utilization of Gantt charts, economic principles within the workplace, and risk management. This course is intended for students who want to expand their web and web application knowledge. Students will work with instructor to create, plan, and implement a project using skills learned in the course. This is a lab-based class and good attendance and strong work ethic are expected.

Introduction to Chromebook Repair

This course counts as STEM credit.

Recommended: Computer Applications

Grade Level: 10, 11, 12

1.0 credit

This course is intended to expose students to various information technology occupations. Students will also explore topics such as safety, electronics and basic digital theory, overview of the internet and operating systems, basic IT terminology and concepts, and basic programming.

Introduction to Computer Coding

This course counts as STEM credit.

Fee: \$10

Grade Level: 9, 10, 11, 12

0.5 credit

Students develop an introductory understanding of fundamental computer science concepts and apply computational thinking skills to solve problems through the use of entry level coding equipment. That equipment includes Lego Prime Spike Kits, Cue Robots, 3D modeling software (Blender, TinkerCad, or Sketchup), tearing down physical equipment to inspect the inside, and finally Minecraft Education. This is a hands-on, problem solving class with a collaborative working environment.

Introduction to Multimedia Design

Grade Level: 9, 10, 11, 12

0.5 credit

Students are introduced to the role of the media in our society. Students will learn various types of journalistic writing, editing, page design, headline writing and how to responsibly and ethically use various platforms to publish information. Students will develop interviewing, listening, note-taking and problem solving skills. **This course is a prerequisite for students interested in being on the Newspaper or Yearbook staff.**

Journalism Project Management

Prerequisite: Instructor Recommendation

Grade Level: 11, 12

1.0 credit

This course covers the foundations of project management, including the scheduling of resources (including personnel, budget, timelines, and equipment), economic principles within the workplace, and risk management. Students will work with the instructor to create, plan, and implement production of the newspaper or yearbook using skills learned in this course. This is a lab based class and good attendance and strong work ethic are expected. **Must have instructor approval.**

Newspaper

This course counts as STEM credit.

Prerequisite: Intro to Multimedia Design (formally Intro to Newspaper & Yearbook) OR Digital Photo I AND Instructor Approval

Grade Level: 10, 11, 12

1.0 credit

Students will build on skills of writing, designing, and editing learned in Introduction to Multimedia Design, and apply those skills to the student media outlets. Students are fully responsible for the production of the content and the solicitation of advertising for the media outlets. **Students are expected to work on the publication after school. Students must apply to be on staff.**

Photojournalism

Prerequisite: Digital Photography I

Fee: \$10

Grade Level: 10, 11, 12

0.5 credit

Students will take pictures of events and other news happenings for the student publications. Work will be featured in both the Trailblazer yearbook and the Blazer newspaper print and digital editions. Photographers will need to have some experience and comfortability with a camera and be able to attend and photograph after school events frequently (3 to 5 per month).

Programming & Software Development Project Management

Prerequisite: AP Computer Science Principles or AP Computer Science or Web Page Design

Grade Level: 11, 12

1.0 credit

This course provides students with the information and skills necessary for success in managing projects and operating logistical ventures in technology, business and industry. Students will create, plan, and implement projects using skills learned in the course. Project elements could include scheduling of resources including personnel, budget, timelines and equipment, economic principles within the workplace, decision-making, and building leadership skills. This is a lab-based class and good attendance and strong work ethic are expected.

Video Production I

This course counts as STEM credit.

Prerequisite: Audio Video Production Fundamentals

Fee: \$10

Grade Level: 10, 11, 12

0.5 credit

Video Production I provides students the opportunity to apply the fundamental techniques learned in Audio Video Production Fundamentals through the production of a multimedia project for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles and embedding audio, video or other content in digital formats. Students will be required to work in the presentation of the Blazer News Center, GETV, and the development of Blazer Bites (new student podcast). **After school hours will be required.**

Video Production II

This course counts as STEM credit.

Prerequisite: Video Production I & Teacher Approval

Fee: \$10

Grade Level: 10, 11, 12

1.0 credit

Video Production II provides students the opportunity to apply the fundamental techniques learned in Audio Video Production Fundamentals and Video Production I through the production of a multimedia project for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles and embedding audio, video or other content in digital formats. Students will be required to work in the presentation of the Blazer News Center, GETV, and the development of Blazer Bites (new student podcast). **After school hours will be required.**

Video Production III

This course counts as STEM credit.

Prerequisite: Video Production II & Teacher Approval

Fee: \$15

Grade Level: 10, 11, 12

1.0 credit

Video Production III provides students the opportunity to apply the fundamental techniques learned in Video Production I and II through the production of a multimedia project for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles and embedding audio, video or other content in digital formats. Students will be required to work in the presentation of the Blazer News Center, GETV, and the development of Blazer Bites (new student podcast). **After school hours will be required.**

Web Page Design

Prerequisite: Computer Applications and Graphic Design Fundamentals (concurrent enrollment acceptable)

Grade Level: 10, 11, 12

1.0 credit

This class is designed to give the student knowledge of techniques, tools, materials and methods used in Web design. Class time will be spent creating web pages using HTML5, CSS, and Adobe Dreamweaver. Additionally, students will learn how to use existing content management systems to help prepare a website to be client-ready.

Yearbook

This course counts as STEM credit.

Prerequisite: Intro to Multimedia Design OR Digital Photo I AND Instructor Approval

Grade Level: 10, 11, 12

1.0 credit

Students will build on computer design, interviewing, feature writing, digital magazine layout, picture planning learned in Introduction to Multimedia Design, and apply those skills to the student media production. Students are fully responsible for the publication's content, sales of the publication, and the solicitation of advertising to offset the cost of production. Time management and meeting deadlines are important to success in this course. **Students are expected to work on the publication after school. Students must apply to be on staff.**

COMMUNICATION ARTS

Career & Life Planning

Fulfills Communication Arts credit

REQUIRED COURSE

Grade Level: 9

0.5 credit

In this course, students will begin to develop skills and strategies which are helpful to become more focused and productive individuals. Students will be involved with projects that emphasize goal-setting, decision-making, and time management. Students will explore various career choices and begin creating an Individual Plan of Study.

Competitive Debate

Fulfills Communication Arts credit

Prerequisite: Debate and Argumentation

Grade Level: 10, 11, 12

0.5 credit (may be repeated for credit)

This class will consist of those students who are dedicated and devoted to the inter-scholastic activity of debate. These students will represent GEHS in debate tournaments. Students who complete this class will be experienced debaters with refined logic/reasoning skills, speaking skills, research skills and organization skills to name a few. Students may letter in debate. **This class does require Saturday tournaments as well as after school practices.**

Debate and Argumentation

Fulfills Speech/Communication Arts credit

Grade Level: 9, 10, 11, 12

0.5 credit

This class will focus on learning the basics of debate as well as general argumentation skills, research skills, and speaking skills. This class is a prerequisite for Competitive Debate.

Forensics

Fulfills Speech/Communication Arts credit

Prerequisite: Intro to Forensics

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

This class is for the creative at heart, the actor, the storyteller, or the true speaker. This class is a competitive educational activity designed to teach students the basic elements of speech contest preparation, refinement of speaking and oral interpretation skills, effective use of research and knowledge, and an appreciation for literature and methods of critical evaluation in both speaking and dramatic presentation. The focus of the class is making the printed page "come alive." Students may letter in this activity if they meet required criteria throughout the semester. **This class does require Saturday tournaments as well as after school practices.**

Intro to Forensics

Fulfills Communication Arts credit

Grade Level: 9, 10, 11, 12

0.5 credit

This course studies the art of performance through acting, speaking, and interpretation or prose and poetry. This class will expose students to the nine events that compose Forensics. Students will learn how to write speeches and introductions, how to analyze literature and bring literature to life through performance, and how to develop character and scenes through acting.

Speech

REQUIRED COURSE (for Class of 2028 & beyond)

Grade Level: 9, 10, 11, 12

0.5 credit

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

EMERGENCY & FIRE MANAGEMENT SERVICES

**** These courses are only available to seniors. In order to take these courses, students must apply and be accepted into the program. Please see a counselor for an application. ****

EMS First Responder

Grade Level: 12

0.5 credit

Students will be required to assess and care for patients with technical skills while demonstrating leadership characteristics such as integrity, compassion, accountability, respect and empathy. Students will learn to make life saving decisions when faced with emergency situations. American Heart Association Healthcare Provider Certifications will be earned by each student.

Fire Science I

This course counts as STEM credit.

Grade Level: 12

1.0 credit

This course is designed, when combined with Fire Science II, to give students the knowledge and skills to enter a fire safety post-secondary program or other fields of study or careers in the area of fire safety. Topics covered include fire department communications, fire ground operations, rescue operations, safety, preparedness, and maintenance. These courses combined prepare students for the Fire Fighter I Certification which is the first certification needed to become a firefighter.

Fire Science II

Grade Level: 12

1.0 credit

This course is designed, when combined with Fire Science I, to give students the knowledge and skills to enter a fire safety post-secondary program or other fields of study or careers in the area of fire safety. Topics covered include fire department communications, fire ground operations, rescue operations, safety, preparedness, and maintenance. These courses combined prepare students for the Fire Fighter I Certification which is the first certification needed to become a firefighter.

Fire Science Intern

Grade Level: 12

0.5 credit

The intern class is part of the fire science program that enables students to see the day to day working of firefighters in the station setting. Students will also participate in many of the day to day tasks that firefighters do including equipment maintenance, physical training and teamwork. **Must be in the fire science program to take this course.**

Introduction to Law, Public Services & Security

Grade Level: 12

0.5 credit

An introductory course designed to provide students with knowledge of careers in public safety, with an emphasis on law enforcement and fire rescue, and the requirements to obtain various positions. The history of public safety, ethics and responsibility, and crime analysis will be taught, as well as hands-on experiences to assist students in knowing their focus on fire rescue or law enforcement.

FAMILY AND CONSUMER SCIENCES

Career and Technical Education Pathway Courses

Pathway: Teaching and Training

Introductory Level	Career & Life Planning (0.5)
Technical Level	Exploring Teaching (1.0) Family Studies (0.5) Human Growth & Develop (0.5)
Application Level	Teaching Internship (1.0)

Pathway: Restaurant & Event Management Strand: Culinary Arts & Management

Introductory Level	Career & Life Planning (0.5) Business Essentials (0.5)
Technical Level	Culinary Prep I (0.5) Culinary Arts I (1.0) Culinary Applications (0.5) Baking & Pastry I (0.5) Baking & Pastry II (0.5) Event Planning & Mgmt (0.5)
Application Level	Career Connections (0.5)

Pathway: Family, Community & Consumer Services

Introductory Level	Career & Life Planning (0.5)
Technical Level	Family Studies (0.5) Financial Literacy (0.5) Human Growth & Develop (0.5) Culinary Prep I (0.5)
Application Level	Career Connections (0.5)

Pathway: Fashion, Apparel, & Interior Design

Introductory Level	Career & Life Planning (0.5) Basic Design (0.5) Drafting/CAD
Technical Level	Interior Design Essentials (0.5) Fashion Trends (0.5) Interior Design I (0.5) Architectural Design (1.0)
Application Level	Career Connections (0.5) Interior Design Studio (1.0)

Baking & Pastry I

Fee: \$25

Grade Level: 9, 10, 11, 12

0.5 credit

This course looks at the baking and pastry industry, and the equipment and procedures required. Topics include baking science, ingredient function and methods used for a quality product based upon industry standards. This course will prepare students for careers or post-secondary programs related to the baking and pastry culinary business and industry. The student will apply the knowledge and skills of how basic ingredients function, baking/pastry vocabulary, and mixing techniques to produce baking/pastry products based on industry standards. Using commercial-grade equipment, students will develop skills in basic bread and pastry techniques to produce breads, muffins, biscuits, pies, cakes, pastries, and specialized desserts. The attention to detail and artistic flair are key skills that begin to develop during this class. This is a strongly recommended course for the Culinary Arts program.

Baking & Pastry II

Prerequisite: Baking and Pastry I

Fee: \$25

Grade Level: 9, 10, 11, 12

0.5 credit

This course builds upon the Baking and Pastry I course by refining and expanding skills of production management. Topics also include analyzing the scientific reactions during production and expanding the skill development to address the finer aspects of the field.

Career Connections

This course counts as STEM credit.

Prerequisite: Complete 2 full credits in Family, Community & Consumer Services Pathway

Grade Level: 11, 12

0.5 credit

This application level course is for juniors and seniors who have a strong interest in a human services career providing family, community or consumer services. Career Connections will focus on building individual student's career and employability skills from basic job-seeking to the finalizing of career portfolios. Students may complete projects in the classroom to enhance professionalism, soft skills and support general employability skills. Guest speakers from various human service industries will share professional experiences and advice to help prepare students for transition into career and college.

Culinary Applications

Prerequisite: Culinary Arts I

Fee: \$50

Grade Level: 11, 12

1.0 credit (may be repeated for credit)

This course applies the skills needed in the culinary arts profession. It includes the application of skills within a school based, community-based experience or work-based internship and will cover an introduction of all aspects of an industry. Students enrolled in this course are expected to have advanced skills in the culinary field so that they are able to apply them in authentic experiences following industry standards and regulations. **Advanced students are required to work 4 events each semester. Prostart Competition team will be selected from students in this class.**

Culinary Arts I

Prerequisite: Culinary Prep I

Fee: \$50

Grade Level: 10, 11, 12

1.0 credit

This course integrates the knowledge, skills and practices required for careers in the restaurant industry. Topics include the sources, symptoms and prevention measures for common food illnesses, meal management, correct use of food production equipment, and production and facility management principles. Students will also begin to develop culinary skills for a variety of food products. Students will learn to develop restaurant quality specials utilizing a variety of proteins, vegetables and grains. Projects will include menu and recipe development and various types of restaurant events to be determined by instructor. **Advanced students are required to work 4 events each semester.**

Culinary Prep I

Fee: \$25

Grade Level: 9, 10, 11

0.5 credit

Students will be introduced to knowledge and skills needed for work in the food service industry. Course topics will include sanitation and safety practices, table and service etiquette, and various cooking methods. Students will learn and practice basic knife skills as well as kitchen safety procedures. Students will be introduced to basic stocks and the 5 mother sauces. Students will prepare a variety of proteins, vegetables and grains that incorporate basic skills. Preparation for ServSafe® Food Handler Certification will be incorporated throughout the curriculum.

Event Planning and Management

Fee: \$25

Grade Level: 9, 10, 11, 12

0.5 credit

This course provides students with the knowledge and skills related to event planning and implementation. Students will learn about client relationships, importance of communication and accuracy, and the planning and execution of safe and enjoyable events. **Students are required to participate in a minimum of two school events.**

Exploring Teaching

Prerequisite: Human Growth & Development

Grade Level: 11, 12

1.0 credit

This course is an opportunity for students to consider teaching as a future career. The class introduces applications within the teaching & training profession, exploring education licensure and ongoing employment, exposure to legal and ethical issues, environmental structure and culture, factors affecting education, classroom management strategies, curriculum planning, principals and theories of education and differentiation strategies for special education. Students will be required to volunteer hours outside of the classroom. Students will be required to join the future teacher organization, Educators Rising, and participate in all club activities.

Family Studies

Prerequisite: Human Growth & Development – The Early Years

Grade Level: 10, 11, 12

0.5 credit

Family Studies reflects the transition of the family for the 21st Century learner as it helps students learn about family dynamics, the roles and responsibility of family members and how parent responses shift throughout the family life cycle. Course content may include responsibilities and difficulties of parenthood and families across the lifespan; fundamentals of various ages and stages of childhood, adolescent and adult development; and the appropriate care of infants, children, young adults and aging parents. This course participates in the RealCare Baby Parenting Program.

Fashion Trends

Grade Level: 9, 10, 11, 12

0.5 credit

Fashion Trends provides students an opportunity to explore special topics in the fashion industry. Topics include history of fashion, trend and color forecasting, garment styles, sustainable design, fashion illustration, and how trends are developed. Students will learn how to professionally present work through various mediums including design journals and display boards.

Human Growth & Development – The Early Years

Grade Level: 10, 11, 12

0.5 credit

The Early Years provides students with knowledge about physical, intellectual, emotional and social (PIES) development of children. Course content and projects provide an overview of life stages from prenatal development and the birth process to fundamentals of children's milestone developments during the early years of life.

Interior Design Essentials

Fee: \$15

Grade Level: 9, 10, 11, 12

0.5 credit

Interior Design Essentials is the first course to introduce students to and expand upon the various aspects of the design industry. Concepts covered will include elements and principles of design, drawing floor plans, creating renderings, and creating design boards.

Interior Design I

Prerequisite: Interior Design Essentials

Fee: \$25

Grade Level: 10, 11, 12

0.5 credit

Interior Design I is a course that will focus on the design industry with an emphasis on interior design concepts. Topics will include design history, accessories, application of design elements and principles and drafting skills. Projects are integrated throughout the course to provide authentic applications in design basics, color, lighting, furniture styles and designs.

Interior Design Studio

This course counts as STEM credit.

Prerequisite: Interior Design I

Fee: \$40

Grade Level: 11, 12

1.0 credit

Interior Design Studio is for the student who has an interest in the design industry. Students will create a variety of studio projects to serve as real world applications to the profession. Areas of interest will offer an extended learning opportunity for students to apply communication, leadership, employability, cooperative learning, business etiquette and professional presentation skills.

Teaching Internship

This course counts as STEM credit.

Prerequisite: Exploring Teaching

Grade Level: 12

1.0 credit (double-blocked)

Teaching Internship is a practicum experience where the learner is placed in a classroom in which there will be both direct and indirect contact with students. This course allows students to travel to one of our elementary/middle schools to gain experience in the field of teaching. Teaching Internship learners may be asked to help individuals or groups of students, may create and lead a class in mini-lessons, prepare bulletin boards or grade papers. Every effort will be made to place the learner at the grade level and subject field requested. The learner will be personally responsible for transportation to the work site. Students in this class will be in the Educators Rising seminar, as well as members of the Educators Rising organization.

FINE ARTS - PERFORMING

Acting

Fulfills Fine Arts Requirement

Prerequisite: Introduction to Theater OR Director prior approval

Grade Level: 10, 11, 12

0.5 credit

This course provides students techniques to use in creating a role for performance. Students will use movement, vocal, and analysis techniques to create and sustain believable characters in performance. Projects range from original monologues to scripted scenes from dramatic literature. Analysis of dramatic literature is an important role in acting, and students will be expected to do outside reading of dramatic works. This course is designed to teach refinement of acting and performance skills in play production. Emphasis is on development of individual creative expression through duet and solo acting, play reading and viewing. Out-of-school time may be used for theatrical field trips or workshops.

Advanced Repertory Theater

Fulfills Fine Arts Requirement

Prerequisite: Beginning Repertory Theater, Audition or Director Approval

Grade Level: 11, 12

1.0 credit

This is a performance-centered course of study, which will enhance the theater arts education of the total theater student. Students will advance their knowledge of acting techniques, directing skills, scene study, analysis of dramatic literature and criticism, design, playwriting, and evaluating theater performances. This will be accomplished through the production of one-act plays, which will be student-produced, designed and directed. In addition to the one-acts, students would pursue independent projects requiring a culmination of knowledge of various aspects of theater.

Advanced Technical Theater

Fulfills Fine Arts Requirement

Prerequisite: Intro to Tech Theater

Grade Level: 10, 11, 12 (Fall semester only)

0.5 credit (may repeat for credit)

This is an upper level course. Students will focus on the design and production process for both the Fall Musical and Winter Play. The course will be designed to help advanced students create college ready portfolios.

Beginning Band

Prerequisite: Approval of Director

Grade Level: 9, 10, 11, 12

0.5 credit (Fall semester only)

This class will be designed to provide beginning level instruction on wind instruments to students who have little to no experience playing in band or those students currently in band who wish to transition to a secondary instrument. This will be a semester class with the goal of transitioning students into one of the three concert ensembles second semester.

Beginning Repertory Theater

Fulfills Fine Arts Requirement

Prerequisite: Acting

Grade Level: 10, 11, 12 (Spring semester only)

0.5 credit

This is an introductory performance-centered course of study which will enhance theater arts education of the total theater student. Students will advance their knowledge of acting techniques, directing skills, scene study, analysis of dramatic literature and criticism. This will be accomplished through production of plays, student produced and directed material.

Blazer Jazz Band

Fulfills Fine Arts Requirement

Prerequisite: Audition only

Fee: Jazz Band Shirt

Grade Level: 9, 10, 11, 12

1.0 credit (may be repeated for credit)

This course focuses on preparing students to perform Jazz Music in a concert setting. Rehearsals will provide students with the opportunity to learn basic improvisation skills as well as standard techniques for their instruments in numerous Jazz styles. **Students are required to attend all performances (some of which take place outside the school day) as part of the credit or grade received.**

Blue Blazers

Fulfills Fine Arts Requirement

Prerequisite: Treble Choir or Concert Choir, Audition only, Mixed Voices (SATB)

Fee: \$30 plus shoes/concert black clothing

Grade Level: 10, 11, 12

1.0 credit

Students will use advanced vocal techniques as a group to create a blended, unified, choral sound. Repertoire includes a variety of musical styles throughout the year. Students should be able to demonstrate basic and advanced music theory skills. Leadership skills will be emphasized as this select group performs frequently in the community as well as at regular school performances. This choir is made up of "mixed" voices, including Soprano, Alto, Tenor, and Bass. Blue Blazers will compete at KSHSAA Large Group Music Festival each spring to perform challenging, state-approved repertoire and compete with area schools. **Students selected to participate in this choir will be required to attend all rehearsals, performances, and contests beyond the regular class time. Students are expected to excel in their academic classes as well as put in adequate time for individual practice.**

Chamber Orchestra

Fulfills Fine Arts Requirement

Prerequisite:

*Audition ONLY

***Demonstrate sufficient ability to play a violin, viola, cello or double bass through the audition process**

***OR Director's approval to enroll**

Grade Level: 10, 11, 12

1.0 credit (may repeat for credit)

The Chamber is a small, advanced level orchestra. Students are required to attend rehearsals and performances beyond regular class time as part of credit and grade earned, and are expected to practice their instruments outside of class time. Students in this select group are required to audition for District and State Honor Orchestras and participate in KSHSAA Solo and Small Ensemble Festivals. Audition and participation in area youth orchestras is highly encouraged. The Chamber Orchestra will collaborate with other musical groups at GEHS, and will perform advanced level music at KSHSAA Large Group Orchestra Festival.

Concert Band

Fulfills Fine Arts Requirement

Prerequisite:

*** Student must be a member of the Gardner Edgerton school system band program or a transfer student from another school district's band program.**

*** Demonstrate sufficient ability to play a band instrument (Director's discretion)**

Grade Level: 9, 10, 11, 12

0.5 credit (Fall and Spring Semester class which may be repeated for credit)

This course is **required for all freshmen band students** or those band students who do not wish to participate in the Trailblazer Marching Band. Freshmen will continue taking Concert Band second semester. Sophomore, Junior, and Senior students who take this class will transition to either the Symphonic Band or Wind Ensemble (based on audition results) in the second semester. **Students will be required to attend all performances (some of which take place outside the school day) as part of the credit or grade received.**

Concert Choir

Fulfills Fine Arts Requirement

Prerequisite: Non-Audition, Freshman Tenor/Bass Voice (Middle School choir experience helpful, but not required.)

Fee: \$30 plus shoes/concert black clothing

Grade Level: 9

1.0 credit

Students will demonstrate proper/healthy vocal techniques, perform literature from various periods and cultures, analyze basic music theory concepts, and display excellence in all aspects of performance. This choir is comprised of freshman tenor and bass voices. **Students who participate in this choir will be required to attend all rehearsals and performances beyond the regular class time.**

Concert Orchestra

Fulfills Fine Arts Requirement

Prerequisite:

*** Student must be a member of this school system's orchestra program or transfer from another district's orchestra program.**

*** Demonstrate sufficient ability to play a violin, viola, cello or double bass through the audition process**

*** OR Director's approval to enroll.**

Grade Level: 9

1.0 credit (may be repeated for credit)

Concert Orchestra is designed as a freshman ensemble centered on strengthening fundamental skills while learning key techniques required by successful musicians. Members are eligible to audition for KMEA Honor Orchestras and area youth orchestras, and to participate in the KSHSAA Solo and Ensemble Festivals. **This is a performing ensemble which requires students to attend rehearsals and performances beyond regular class time as part of credit and grade earned.**

Introduction to Tech Theater

Fulfills Fine Arts Requirement

Prerequisite: Intro to Theater or Director Approval

Grade Level: 10, 11, 12

0.5 credit (Spring semester only – may be repeated for credit with teacher approval)

Beginning students will make practical application of the design and production process from reading the script to running a show to striking the set. This course is a working lab during which all technical support for school theatrical productions will take place. Students will study and produce technical elements of theater such as lighting, scenery, props, costume and sound.

Intro to Theater

Fulfills Fine Arts Requirement

Grade Level: 9, 10, 11

0.5 credit

A basic course for any student regardless of previous drama/theater experience. Students will explore various aspects of theater, such as acting, researching, critiquing, and history by using a variety of improvisation games, exercises, warm-ups and exploration. Students will gain an appreciation for the theater as its own distinct art form, understand the elements of drama, understand the process of creating a production, evaluate live theater, and gain a broad knowledge of concepts related to the theater. **Students are required to read scripts and attend two live theatrical performances outside of class.**

Madrigal Choir

Fulfills Fine Arts Requirement

Prerequisite: Blue Blazers or Treble Jazz, Audition only, Mixed Voices (SATB)

Fee: \$30 plus shoes/other accessories

Grade Level: 10, 11, 12

1.0 credit

Students will demonstrate advanced vocal techniques as a group to create a blended, unified, choral sound. Repertoire includes a variety of musical styles throughout the year, and will focus on acappella music. Students should be able to demonstrate advanced music theory skills and sightreading capabilities. Leadership skills will be emphasized as this select group performs frequently in the community as well as at regular school performances. This is a small, select choir made up of "mixed" voices, including Soprano, Alto, Tenor, and Bass. The Madrigal Ensemble will compete at Regional Solo & Ensemble Contest as well as the KSHSAA Large Group Music Festival each spring to perform challenging, state-approved repertoire and compete with area schools. **Students selected to participate in this choir will be required to attend all rehearsal, performances, and contests beyond the regular class time. Students are expected to excel in their academic classes as well as put in adequate time for individual practice.**

Music Appreciation

Fulfills Fine Arts Requirement

Grade Level: 9, 10, 11, 12

0.5 credit

This course helps students explore, analyze, and appreciate various types of music in our world. Students will learn the basic concepts of music theory, music history, music technology, and discover how to analyze and interpret different genres and instruments. We will explore the role that music plays in our lives every day, and even create/compose some of our own. Students will research different genres, composers, historical periods, and instruments during the course. This is a wonderful class to express your passion for music in a relaxed environment, without having to be part of a musical ensemble. Music Appreciation is a general overview for those without a lot of musical experience.

Music Theory/History

Fulfills Fine Arts Requirement

Prerequisite: Band, Orchestra, Choir (or concurrent enrollment) or teacher approval

Grade Level: 9, 10, 11, 12

1.0 credit

This course will teach the basics of music theory and history. The goal is to bring students to a beginning college level understanding of both theory and history. Students will be assessed through assignments, projects, and tests.

Philharmonic Orchestra

Fulfills Fine Arts Requirement

Prerequisite: *Audition only

* Demonstrate sufficient ability to play a violin, viola, cello or double bass through the audition process

* OR Director's approval to enroll

*Grade 9 students must complete one semester of Concert Orchestra, submit an audition, and demonstrate advanced technical ability beyond their peers

Grade Level: 10, 11, 12

1.0 credit

The Philharmonic is an advanced level orchestra. Students are eligible to audition for District and State Honor Orchestras as well as area youth orchestras, and all members are encouraged to participate in KSHSAA Solo and Small Ensemble Festivals. The Philharmonic Orchestra will perform at KSHSAA Large Group Orchestra Festival.

Students are required to attend rehearsals and performances beyond regular class time as part of credit and grade earned, and are expected to practice their instruments outside of class time.

Symphonic Band

Fulfills Fine Arts Requirement

Prerequisite: *Audition only

*Auditions are held in the Spring Semester prior to the school year

Grade Level: 10, 11, 12

0.5 credit (Spring Semester only, may be repeated for credit)

This is an audition-only class comprised of wind and percussion players at GEHS. This group will perform high-level concert literature and participate in concerts, festivals, and competitions. Auditions for placement in this ensemble take place during the prior school year. This class takes place during spring semester only. **Students are required to attend all performances (some of which take place outside the school day) as part of the credit or grade received.**

Trailblazer Choir

Fulfills Fine Arts Requirement

Prerequisite: Non-Audition, Mixed Voices (SATB)

Fee: \$30 plus shoes/concert black clothing

Grade Level: 10, 11, 12

1.0 credit (may be repeated for credit)

Students will demonstrate proper/healthy vocal techniques, perform literature from various periods and cultures, analyze basic music theory concepts, and display excellence in all aspects of performance.

This is a large choir that includes students with "mixed" voices, including Soprano, Alto, Tenor, and Bass. **Students in this choir will be required to attend all rehearsals and performances beyond the regular class time.**

Trailblazer Marching Band

Fulfills Fine Arts Requirement

Prerequisite: *Audition

***Student must be a member of the Gardner Edgerton school system band program or a transfer student from another school district's band program.**

*** Demonstrate sufficient ability to play a band instrument (Director's discretion).**

Fee: \$50

Grade Level: 9, 10, 11, 12

0.5 credit (Fall Semester only, may be repeated for credit)

Students will use marching and instrumental techniques in developing field shows, concerts and music festival performances. This group will compete at parades, field shows and music festivals. This course will begin during the summer with band camp in July. Freshmen will transition into the Concert Band second semester. Sophomore, Junior and Senior students who take this class will transition to either the Symphonic Band or Wind Ensemble (based on audition results) in the second sem **Students will be required to attend extra rehearsals outside normal school hours as well as attend all performances (some of which also take place outside the school day) as part of the credit or grade received in this course. Summer Band Camp is required for all students enrolled in this course unless permission from the director is given.**

Trailblazer Orchestra

Fulfills Fine Arts Requirement

Prerequisite: *Audition only

***Demonstrate sufficient ability to play a violin, viola, cello or double bass through the audition process OR**

***Director's approval to enroll**

Grade Level: 10, 11, 12

1.0 credit (may be repeated for credit)

This orchestra course will emphasize the continued development of individual and ensemble skills required by successful musicians, and students are expected to practice instruments outside of class time. Members are eligible to audition for District and State Honor Orchestras and area youth orchestras, and to participate in KSHSAA Solo and Small Ensemble Festivals. **Trailblazer Orchestra is a performing ensemble which requires students to attend rehearsals and performances beyond regular class time as part of credit and grade earned.**

Treble Choir

Fulfills Fine Arts Requirement

Prerequisite: Non-Audition, Freshman Treble Voices (Middle School choir experience helpful but not required)

Fee: \$15 plus shoes/concert black clothing

Grade Level: 9

1.0 credit

Students will demonstrate proper/healthy vocal techniques, perform literature from various periods and cultures, analyze basic music theory concepts, and display excellence in all aspects of performance. This choir is comprised of freshman treble voices. **Students who participate in this choir will be required to attend all rehearsal and performances beyond the regular class time.**

Treble Jazz Ensemble

Fulfills Fine Arts Requirement

Prerequisite: Treble Choir, Audition only, Treble Voices (SA)

Fee: \$30 plus shoes/concert black clothing

Grade Level: 10, 11, 12

1.0 credit

Students will use advanced vocal techniques as a group to create a blended, unified, choral sound. Repertoire includes a variety of musical styles throughout the year. Students should be able to demonstrate basic and advanced music theory skills. Leadership skills will be emphasized as this select group performs frequently in the community as well as at regular school performances. This choir is made up of treble voices, including Soprano and Alto. Treble Jazz will compete at KSHSAA Large Group Music Festival each spring to perform challenging, state-approved repertoire and compete with area schools.

Students selected to participate in this choir will be required to attend all rehearsals, performances, and contests beyond the regular class time. Students are expected to excel in their academic classes as well as put in adequate time for individual practice.

Wind Ensemble

Fulfills Fine Arts Requirement

Prerequisite: *Audition only

***Auditions are held in April prior to the school year**

Grade Level: 10, 11, 12

0.5 credit (Spring Semester only, may be repeated for credit)

This is an audition-only class comprised of the most advanced wind and percussion players at GEHS. This group will perform high-level concert literature and participate in concerts, festivals, and competitions. Auditions for placement in this ensemble take place during the prior school year. This class takes place during the spring semester only. **Students are required to attend all performances (some of which take place outside the school day) as part of the credit or grade received.**

FINE ARTS - VISUAL

2D Art

Fulfills Fine Arts Requirement

Prerequisite: Basic Design

Fee: \$20

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

This course provides an opportunity for students to expand on previously learned drawing and painting concepts. Advanced drawing skills and artistic motivation are beneficial for this class. Use of multiple art media and techniques may include drawing, painting, graphic design, and collage. Students will build on their creative skills by using the Elements and Principles of Design. Multiple semesters are possible for credit. Students will have opportunities to compete in art competitions such as Highland and Scholastic Art.

3D Art

Fulfills Fine Arts Requirement

Prerequisite: Basic Design

Fee: \$20

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

Students will explore many of the varied and wide areas of the world of 3D art. Hands-on projects will include but are not limited to the following materials: paper, metal, wood, cardboard, and paper maché. The class will develop a greater understanding and appreciation for 3D art and our built environment. Students will be allowed to advance and learn new techniques and use of different materials.

Advanced Ceramics

Fulfills Fine Arts Requirement

Prerequisite: Ceramics I

Fee: \$20

Grade Level: 10, 11, 12

0.5 credit (may be repeated for credit)

Building on the knowledge gained in Ceramics I, students will advance to higher levels of design, technique, and construction. Emphasis is placed on students developing a strong connection to their art and skills in the studio. The class will work to a greater detail and degree as they take on more challenging assignments while working more independently. Students will be taught throwing and hand-building skills and combinations of both. Class members will have more input on the direction they want to take their art and its expression. Multiple semesters are possible for credit as skills progress and students become more fluent in their art.

Advanced Design

Fulfills Fine Arts Requirement

Prerequisite: Basic Design

Fee: \$20

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

This course provides an opportunity for students to expand on the drawing and painting concepts learned in 2D Art. Advanced drawing skills and artistic motivation are beneficial for this class. Use of multiple art media and techniques may include drawing, painting, graphic design, collage, printmaking and sculpture. Students will build on their creative skills by using the Elements and Principles of Design. Multiple semesters are possible for credit. Students will have opportunities to compete in art competitions such as Highland and Scholastic Art.

Advanced Jewelry & Metalsmithing

Fulfills Fine Arts Requirement

Prerequisite: Jewelry & Metalsmithing

Fee: \$20

Grade Level: 10, 11, 12

0.5 credit (may be repeated for credit)

Building on the knowledge learned in Beginning Jewelry & Metalsmith, students will advance to higher levels of design, technique and construction. Emphasis will be placed on students developing multi-step projects and mastery of advanced techniques. Class members will have more input on the direction they want to take their Art and its expression. Multiple semesters are possible for credit as skills progress and the student wants to become more fluent in their Art.

Basic Design

Fulfills Fine Arts Requirement

Fee: \$20

Grade Level: 9, 10, 11, 12

0.5 credit

This class is an introductory unit to all other art classes. Students will learn the principles and elements of design. They will explore various media through the assignment of design problems. Students will be given instruction in various art forms as well as art history. Successfully completing this course will enable the student to take any/all of the advanced art courses offered.

Ceramics I

Fulfills Fine Arts Requirement

Prerequisite: Basic Design

Fee: \$20

Grade Level: 9, 10, 11, 12

0.5 credit

Students entering this introductory course will learn many of the aspects of hand-built ceramics. The class will progress from simple techniques such as pinch forming and move on to coil and slab built forms. Sculptural and functional forms will be created. A variety of decoration and glazing techniques will be taught as well as taking projects to completion.

Digital Photography I

Fulfills Fine Arts Requirement

Fee: \$35

Grade Level: 10, 11, 12

0.5 credit

This course provides students with the opportunity to effectively communicate ideas and information via digital photography. Students develop skills in photographic techniques and the use of digital photographic equipment. Topics and photo assignments cover composition techniques, shutter speed and aperture (depth of field) settings, lighting techniques, ISO and white balance. Students will also be introduced to basic photo editing techniques and programs. Time will also be spent studying photographers and their styles and techniques. Students will learn about job opportunities in the Photography field.

Digital Photography II

Fulfills Fine Arts Requirement

Prerequisite: Digital Photography I

Fee: \$35

Grade Level: 10, 11, 12

0.5 credit

This advanced course uses digital imaging to create and manipulate photo images. Digital cameras, computers, software, and storage devices will be used to capture digital photographic images satisfying a series of assignments designed to develop advanced skills and competencies. Students will be given advanced opportunities to develop competence in the use of digital photographic equipment, Adobe Creative Suite, and various other materials for photo manipulation. Time will also be spent discovering the career world of photography.

Jewelry & Metalsmithing

Fulfills Fine Arts Requirement

Prerequisite: Basic Design

Fee: \$20

Grade Level: 9, 10, 11, 12

0.5 credit

This class is an introduction to the process of designing and constructing jewelry projects. We will start with basic techniques involved in metal working. Students will learn to properly identify and use tools specific to the medium. Techniques will involve pewter casting, soldering, enameling and ring making. Students are expected to follow all safety rules and may not move on to a new project until skills and techniques are completed. This class uses torches, fire, power tools, hammers, saws, etc.

Printmaking/Fiber Arts

Fulfills Fine Arts Requirement

Prerequisite: Basic Design

Fee: \$20

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

During this class, students will study multiple levels of printmaking such as silkscreen, etching and engraving. Students will also experience various types of fiber art such as weaving, tapestry and fiber crafts. The Elements and Principles of Design will be emphasized to help students increase their creative skills. Multiple semesters are possible for credit. Students will have opportunities to compete in art competitions such as Highland and Scholastic Art.

LANGUAGE ARTS

AP English 11 (Weighted Course) Language and Composition

Recommended: HN English 9 and HN English 10

Not eligible for JCCC College Credit

Grade Level: 11

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the amount of time outside of class required to be successful in this course. AP Language engages students to become skilled readers of texts written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both writing and reading will center on interactions among a writer's purposes, audience expectations, and subject as well as the way generic conventions and resources of language contribute to effectiveness in writing. Students will be given the opportunity to potentially earn college credit by taking the AP exam offered in May.

AP English 12 (Weighted Course) Literature and Composition

Recommended: HN English 9, HN English 10 and AP English 11

Not eligible for JCCC College Credit

Grade Level: 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. The AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Students will read and write extensively throughout the course, focusing on developing a strong writing tone and style. A survey of literature history and a heavy emphasis on the mastery of literature terms and generalized vocabulary will be included. Students will be given the opportunity to potentially earn college credit by taking the AP exam offered in May.

Creative Writing I

Grade Level: 9, 10, 11, 12

0.5 credit

This introductory course includes the study and writing of poetry, short fiction, and creative nonfiction. Students learn foundational principles in each genre and receive instructor feedback on their own work. Grades are based on larger unit projects for each genre—poetry, short fiction, and creative nonfiction, as well as daily journals and smaller progress assignments.

Creative Writing II

Prerequisite: Creative Writing I

Grade Level: 9, 10, 11, 12

0.5 credit

This advanced course continues the practice and refinement of skills from Creative Writing I. Students learn advanced writing techniques and forms and receive instructor feedback on their own work. Students may choose to focus on a single genre: poetry, short fiction, or creative nonfiction. Grades are based on larger unit projects and rubrics designed by the student.

English 9

REQUIRED COURSE

Grade Level: 9

1.0 credit

This course includes a study and review of grammar usage and vocabulary development. The course also focuses on strengthening reading and writing skills as well as viewing, listening, and public speaking. Students continue to use the Common Core writing model. Extensive reading of a variety of literary selections containing universal themes will be used.

English 9A

Teacher Recommended

Grade Level: 9

1.0 credit

This English course targets priority English standards using high interest texts at appropriate student reading levels. In addition to the standards, instruction will focus on reading comprehension strategies that will enhance a student's ability to engage with content specific texts across their other classes.

English 10

REQUIRED COURSE

Grade Level: 10

1.0 credit

This course includes study in writing, reading, and continued development of grammar usage and vocabulary development. Emphasis is placed on continued development of the Common Core writing model through a variety of writing assignments. Students will study literature in various genres with universal themes, with practice in viewing, listening and speaking.

English 11

REQUIRED COURSE

Grade Level: 11

1.0 credit

English 11 focuses on all communication skills, including reading, writing, speaking, listening, and critical thinking. Students will prepare for a variety of options for their senior year and post-high school. A study of American literature and a research project are included in the course.

English 12

REQUIRED COURSE

Grade Level: 12

1.0 credit

English 12 is a course that integrates all components of Language Arts: writing, speaking, literature, and listening. While modern fiction and nonfiction texts are explored, an emphasis is placed upon reading for lifelong pleasure and practical, real-world reading skills. This course incorporates a career component with emphasis on effective applied communication. Resumes, work and college applications, interview techniques, current work, and school related topics will be studied.

Honors English 9 (Weighted Course)

Grade Level: 9

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This course includes a study and review of grammar usage and extended vocabulary development. The course also focuses on more challenging reading and writing skills as well as viewing, listening and public speaking. Students continue to use the Common Core writing model. Extensive reading of a variety of challenging literary selections will be used.

Honors English 10 (Weighted Course)

Grade Level: 10

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This course includes intensive study in writing, reading and continued development of grammar and vocabulary usage. Emphasis will be placed on improvement in writing and literature.

Honors English 12 College Now

Recommended: Passing grades of C or higher in HN English 9, HN English 10, and AP English 11

Grade Level: 12

1.0 credit

College Now Credit Available

This course earns a weighted grade and is taught as a college course. Students should carefully consider the extra time required for success in this challenging course. Students do not have to enroll at JCCC for dual credit, but all students in the course will complete the same work as it follows JCCC curriculum requirements. Semester 1, equivalent to ENGL 121 Composition I at JCCC, focuses on writing nonfiction prose suitable in its expression and content to both its occasion and its audience. Students will have an opportunity to improve in all phases of the writing process: discovering ideas, gathering information, planning and organizing, drafting, revising and editing. Each text written in the course should clearly communicate a central idea or thesis, contain sufficient detail to be lively and convincing, reflect the voice of the writer and use carefully edited standard written English, and students will complete at least 20 pages (approximately 5,000 words) of revised and edited prose. Semester 2, equivalent to ENGL 122 Composition II at JCCC, focuses on skills essential to gathering, comprehending, analyzing, evaluating and synthesizing information from a variety of academic and non-academic sources. Because writing is integral to college coursework and the workplace, this course emphasizes the rhetorical skills needed to understand and produce complex compositions in a variety of forms, which may include essays, presentations, reports, social media posts and other digital forms of communication. Composition II emphasizes the deep revision needed to compose expository, evaluative and persuasive prose. Students will complete at least 25 pages (approximately 6,250 words) of revised and edited prose.

Poetry

Grade Level: 9, 10, 11, 12

0.5 credit

This introductory course focuses on the reading and writing of poetry in different poetry in different forms and styles. Students learn foundational principles in poetry as well as study published poems and poets and receive instructor feedback on their own work. Grades are based on larger unit projects, daily journals, and small progress assignments.

Sports Literature

Grade Level: 9, 10, 11, 12

0.5 credit

This course focuses on exploring universal themes found in the literature of sports such as gender equity, adversity, perseverance, determination, defeat, integrity, and values. Students will be required to respond to literature as well as to films and music studied in class connecting themes discussed. The genres of literature read will be poetry, short story, essay, editorial, and novel. Students will write within the following areas: editorial, persuasive, and narrative.

World Mythology I

Grade Level: 9, 10, 11, 12

0.5 credit

This course provides a variety of studies in the subject of World Mythology with an emphasis on Greek Mythology. Among those areas to be covered are: word origins, ancient geography, and various cultural myths pertaining to creation, conception, life and death.

World Mythology II

Prerequisite: World Mythology I

Grade Level: 9, 10, 11, 12

0.5 credit

This course provides studies in Mythology for various cultures. World Myth II takes what was learned in World Myth I regarding Greek Mythology and expands that knowledge to other world cultures. The class will compare and contrast various cultural myths to Greek Mythology, which many world myths base their own myths off of. Areas covered are: word origins, ancient geography, and various cultural myths pertaining to creation, conception, life and death.

MATHEMATICS

Algebra IA

Does not meet Qualified Admissions or Regents Recommended Curriculum

Grade Level: 9, 10

1.0 credit

This course is designed to focus on the first half of the Algebra I curriculum. It will provide a good foundation of algebraic concepts including: order of operations, absolute value, integers, simplifying expressions, and solving linear equations and inequalities. A great emphasis will be placed on graphic representations of linear functions. Students will be expected to do many hands-on activities to better understand the topics covered.

Algebra I

Grade Level: 9, 10, 11, 12

1.0 credit

This course is a reinforcement and extension of the Algebra IA curriculum with emphasis on completion of the Algebra concepts. Students will concentrate on topics including systems of equations and inequalities, polynomials, exponents, radicals, quadratic equations, factoring patterns, and rational expressions. Upon successful completion of this course, students are encouraged to enroll in either Geometry or Informal Geometry—depending on post-graduation aspirations. **A TI-30XIIS calculator is highly recommended.**

Algebra II

Prerequisite: Successful completion of Algebra I and completion or co-enrollment of Geometry

Grade Level: 9, 10, 11, 12

1.0 credit

This course is designed to continue the study of topics from Algebra I. Students will build on the firm foundation of solving linear equations and extend abilities to solve quadratic equations using several different methods. Some of the advanced algebraic concepts that will be taught in this class include, but are not limited to: solving systems of equations involving 3 or more unknowns; and exponential, rational, and logarithmic equations. Throughout the curriculum, emphasis and connections will be made between symbolic, numeric and graphical representations of all types of functions. **A TI-84 graphing calculator is required.**

Algebra III

Does not meet NCAA Criteria

Prerequisite: Successful completion of Algebra II

Grade Level: 10, 11, 12

1.0 credit

This course is designed to continue with topics from Algebra I, Algebra II and Geometry. Students will build on the foundation of solving linear and quadratic equations and problems involving matrices. Some advanced algebraic concepts taught in this class include, but are not limited to: exponential equations, logarithmic equations, conics, sequences, series, rational functions, trigonometry, probability, and statistics. Students who plan to go to college or enter a math related field but do not feel ready for Pre-Calculus or College Algebra are the ideal candidates for this course. Many of the topics discussed in class are found on college entrance exams such as the ACT. **A TI-84 graphing calculator is required.**

AP Calculus AB (Weighted Course)

Prerequisite: Pre-Calculus

Eligible for College Now Credit

Grade Level: 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. Calculus is the mathematics of motion and change. Modern physical science, engineering and business use both differential and integral calculus to express physical laws in precise mathematical terms and to study the consequences of these laws. Topics covered will include: rate of change of a function, derivatives and their applications, integration and applications, and plane analytic geometry. The Calc AB AP Exam will be offered at the conclusion of this course. **A TI-84 graphing calculator is required. Purchasing a personal TI-84 is highly recommended.**

AP Calculus BC (Weighted Course)

Prerequisite: Pre-Calculus, AP Calculus AB or Teacher Recommendation

Eligible for College Now Credit

Grade Level: 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This AP course covers topics in differential and integral calculus, including concepts and applications of limits, derivatives, integrals, the Fundamental Theorem of Calculus, series, sequences, parametric equations, polar coordinates, and first order differential equations. This course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results and support conclusions. **A TI-84 graphing calculator is required.**

AP Statistics (Weighted Course)

Prerequisite: Algebra II

Eligible for College Now Credit

Grade Level: 10, 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This elective mathematics course is designed to introduce students to the real applications of statistics through real world case studies and technology. Students will be introduced to topics such as distributions, variations, hypothesis testing and probability. The AP Exam will be offered at the conclusion of this course. **A TI-84 graphing calculator is highly recommended.**

Consumer Math

Does not meet Qualified Admissions, Regents Recommended Curriculum, or NCAA Criteria

Prerequisite: Successful completion of Algebra I and Informal Geometry OR Geometry

Grade Level: 11, 12

1.0 credit

This course is designed to expose students to a variety of consumer and personal finance situations. It provides examples while building skills associated with particular problems. It helps students choose appropriate calculation methods while developing problem-solving in practical consumer-related life situations.

Geometry

Prerequisite: Algebra I

Grade Level: 9, 10, 11, 12

1.0 credit

This course is designed to help students understand the basic structure of geometry, develop powers of spatial visualization, and develop an understanding of mathematical reasoning through geometric and algebraic proofs. Some of the geometric topics taught are similarity, congruence, properties of polygons—with special emphasis on triangles and quadrilaterals—properties of 3-D figures including volume and surface area and other aspects of both coordinate and Euclidean geometry. Through these topics, students will strengthen algebraic skills and gain some knowledge and appreciation for how algebra and geometry complement each other. **A scientific calculator that can perform operations with fractions is required. A graphing calculator is allowed.**

Honors Algebra II (Weighted Course)

Recommended: A/B Average in Algebra I and Geometry

Grade Level: 9, 10, 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. Honors Algebra II is a more rigorous version of the standard course and is designed for those students intending to take Pre-Calculus and/or Calculus. Material in the honors course that is not part of the standard Algebra II class includes an extensive study of the exponential, logarithmic, and rational functions; simplifying rational expressions; solving rational equations; and arithmetic and geometric sequences and series. The pace and work required of this course is more rapid and more challenging than the standard course. A basic introduction to trigonometry is included in HN Algebra II. **A TI-84 graphing calculator is required.**

Honors Pre-Calculus (Weighted Course)

Eligible for College Now Credit

Recommended: A/B Average in Algebra II or C or higher in HN Algebra II

Grade Level: 10, 11, 12

1.0 credit

This course is an accelerated course recommended for students with a strong high school math background who plan to take calculus. This course focuses on the study of functions and their graphs, solving equations and inequalities, recognition and creation of patterns, and the use of mathematical models. Included in the course are linear, power, polynomial, rational, radical, exponential, logarithmic, trigonometric, and absolute value functions. **A TI-84 graphing calculator is required. Purchasing a personal TI-84 is highly recommended.**

HN Quickstep College Algebra on GEHS Campus (Weighted Course)

GEHS Prerequisite: Algebra II

JCCC Prerequisite: 22 on the ACT Math Test or an equivalent score on the JCCC ACCUPLACER Exam.

Eligible for College Credit

Recommended: A/B Average in Algebra II

Grade Level: 10, 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This course focuses on the study of functions and their graphs, techniques of solving equations, and the recognition and creation of patterns. Students will analyze and graph functions, including constant, linear, absolute value, square root, polynomial, rational, exponential, and logarithmic functions, and nonfunctions; solve equations and inequalities, including polynomial equations, exponential equations, logarithmic equations, systems of linear equations, and systems of linear inequalities; and analyze and create algebraic and numerical patterns. MOST college degrees require College Algebra. This is a great way for students to get this credit before leaving high school. **A TI-84 graphing calculator is required. Purchasing a personal TI-84 is highly recommended.**

Informal Geometry

Does not meet Qualified Admissions, Regents Recommended Curriculum or NCAA Criteria

Prerequisite: Algebra I or Algebra IA

Grade Level: 10, 11, 12

1.0 credit

This course is designed for students to gain the concepts of geometry with an algebraic approach. Students will gain knowledge in line and triangle relationships, area, volume, surface area, similarity and congruence. Students will also concentrate on the characteristics of polygons, especially quadrilaterals. **A scientific calculator is recommended.**

Intermediate Algebra

Does not meet Qualified Admissions, Regents Recommended Curriculum or NCAA Criteria

Prerequisite: Successful completion of Algebra I and Informal Geometry or Geometry

Grade Level: 9, 10, 11, 12

1.0 credit

This course is designed to provide a transition to the Algebra II course for the following year. Instruction reinforces those Algebra I skills which are essential for the understanding of Algebra II concepts while emphasizing fundamental concepts in the Algebra II curriculum. **A TI-84 graphing calculator is highly recommended.**

PHYSICAL EDUCATION

Aerobics

Students are limited to 2 PE classes per semester

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

This course will include basic aerobics, step aerobics and body sculpting. Light weightlifting will be required.

Health Education

REQUIRED COURSE

Grade Level: 10

0.5 credit

The following topics will be covered: Health Choices and Behavior; Emotional Health; Stress and Stress Management; Emotional Problems; Suicide Prevention; Nutrition; Drug Abuse; Alcohol Use and Abuse; Tobacco; Fitness; Relationships; Commitment and Marriage.

Lifetime Fitness

Students are limited to 2 PE classes per semester

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

Students will focus on fundamental components and principles of lifetime fitness. The course examines safety guidelines, proper technique, hydration, exercise, and principles to maintain a level of lifetime fitness. Students will assess their current level of fitness in relation to the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. Students will also learn strategies to help them begin, design, and maintain an exercise program/plan in the future.

PE Foundations

***Class of 2029 is REQUIRED to take this course in 9th grade.**

Students are limited to 2 PE classes per semester

Suggested Enrollment: 9th/10 graders or a student who does not fulfill prerequisite requirements for PE II.

Entry level participant looking to fulfill PE requirement.

Grade Level: 9, 10, 11, 12

0.5 credit (may be repeated for credit)

PE Foundations could include: team sports, volleyball, basketball, soccer, speed ball, ultimate ball, softball, team handball and a variety of other team games and recreational sports. This class may also include lifetime sports elements such as badminton, tennis, ping pong and pickleball. Other lifetime activities include horseshoes and possibly a variety of yard games. Students will learn the rules and techniques of each sport and/or activity. **There is a daily fitness element in the class that includes stretching, agility drills and running or jogging in preparation for a required fitness assessment.**

PE Activities

Prerequisite: 2 semesters of PE I or Strength & Conditioning

Exceptions may be made with teacher/counselor approval.

Students are limited to 2 PE classes per semester.

Suggested Enrollment: This class is designed for the active participant who enjoys competition.

Grade Level: 10, 11, 12

0.5 credit (may be repeated for credit)

PE Activities could include team sports, volleyball, basketball, flag football, soccer, ultimate ball, softball, team handball and a variety of other team games and recreational sports. This class may also include lifetime sports elements which include badminton, tennis, ping pong and pickleball. Other activities may include horseshoes and possibly a variety of yard games. Students will learn rules and techniques of each sport and/or activity. There is a daily fitness element in the class that includes stretching, agility drills and running or jogging in preparation for a required fitness assessment.

Strength & Conditioning Level 1

Students are limited to 2 PE classes per semester

Grade Level: 9th grade and new students to GEHS

0.5 credit (may be repeated for credit)

Level One is an introductory strength and conditioning class for freshman students as well as students that are new to strength and conditioning here at GEHS. This class will consist of teaching the basic weightlifting technique for a variety of exercises that we do in the weight room. Our main exercises that we focus on are hang clean, bench press, and back squat. These three exercises are the staple of our Strength & Conditioning program here at GEHS. We will also teach basic movement patterns that will help improve their overall flexibility and mobility. In this class we will build a base that will help students prepare for Strength and Conditioning Level 2.

Strength & Conditioning Level 2

Prerequisite: Successful completion of 2 semesters of Strength & Conditioning Level 1 or teacher recommendation

Students are limited to 2 PE classes per semester

Grade Level: 10, 11, 12 (may be repeated for credit)

0.5 credit

Level Two is a more intermediate level of strength & conditioning for our students. This class will be for our sophomores and juniors that are not quite ready for Strength & Conditioning Level 3. Students will experience a wide variety of more advanced exercises and lifts that will prepare them for Strength & Conditioning Level 3.

Strength & Conditioning Level 3

Prerequisite: Successful completion of 2 semesters of Strength & Conditioning Level 2 or teacher recommendation

Students are limited to 2 PE classes per semester

Grade Level: 11, 12 (may be repeated for credit)

0.5 credit

Level Three is a more advanced level of strength & conditioning for our students. This class will be offered for our juniors and seniors. This class will challenge students by exploring different styles of programming and have a deeper cognitive understanding of strength and conditioning.

Strength & Conditioning Level 4

Prerequisite: Teacher recommendation

Students are limited to 2 PE classes per semester

Grade Level: 11, 12

0.5 credit (may be repeated for credit)

Level Four is the most advanced level of strength & conditioning. Like Level Three, this class will challenge students by exploring different styles of programming and have a deeper cognitive understanding of strength and conditioning. This unique "zero hour" class will be held from 6:30am-7:30am, Monday-Thursday; and each accepted student will either have Blue 5 or White 5 open in their schedule.

TOPS PE

Prerequisite: Application Only

Grade Level: 10, 11, 12

0.5 credit (may be repeated for credit)

Through the use of peer mediated instruction, individuals in class will help one another develop physical education, teamwork, and overall health and fitness skills. Students with and without disabilities will work together to complete the physical education curriculum with appropriate modifications. Activities may include: team sports, such as volleyball, kickball, softball and basketball; lifetime and recreational sports, such as tennis, ping pong and yard games; and fitness activities such as use of exercise equipment, aerobics and stretching.

SCIENCE

Anatomy & Physiology

Prerequisite: Biology

Grade Level: 10, 11, 12

1.0 credit

Anatomy and Physiology is the study of the body's structures and functions at the molecular, cellular, tissue, organ, systemic and organism levels. Students will explore the body through laboratory investigations, models, diagrams, and/or comparative studies of the anatomy of other organisms. The study of anatomy will prepare students for a variety of pursuits such as health care and fitness careers, as well as taking a part in their own health and wellness.

AP Biology (Weighted Course)

Eligible for College Now Credit

Prerequisite: Biology and Chemistry

Grade Level: 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. AP Biology is the equivalent of a two-semester college Biology course. It aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. Topics will include: molecules and cells; heredity and evolution; organisms and populations. The AP Exam will be offered at the conclusion of this course.

AP Chemistry (Weighted Course)

Eligible for College Now Credit

Prerequisite: C or higher Chemistry or Honors Chemistry and Algebra II or Honors Algebra II

Grade Level: 11, 12

1.0 credit

AP Chemistry is the equivalent of a two-semester college Chemistry course and is designed to develop students' ability to think clearly and express scientific ideas with clarity and logic. Topics will include atomic structure, molecular and ionic structure, intermolecular forces, chemical reactions, kinetics, thermodynamics, equilibrium, and acids and bases. This is a course that can lead to 84 career areas and 48 college majors. It is perfect for anyone looking into a career in the medical, engineering, or science field. The AP Exam will be offered at the conclusion of this course.

AP Physics I (Weighted Course)

Eligible for College Now Credit

Prerequisite: Algebra II or HN Algebra II

Grade Level: 11, 12

1.0 credit

AP Physics I 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.

AP Physics II (Weighted Course)

Prerequisite: AP Physics I

Grade Level: 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This course 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; geometry and physical optics; and quantum, atomic, and nuclear physics. AP Physics II is the equivalent of a 2nd semester introductory college course in algebra-based physics.

Astronomy

Prerequisite: Biology

Grade Level: 10, 11, 12

0.5 credit

Students will investigate the nature and structure of space, the solar system, stars, galaxies, and the universe

Biology

REQUIRED COURSE

Grade Level: 9, 10, 11, 12

1.0 credit

Biology is the study of living things and how they interact with their environment. This introductory course is designed for students who desire an overview of biology. Topics covered include cells, genetics, ecology, and evolution. Students will gain lab experience in microscopy, technology applications, and basic laboratory skills.

Botany

Prerequisite: Biology

Grade Level: 10, 11, 12

0.5 credit

This course would cover the basics of plant physiology, reproduction, ecology, and taxonomy. Students will examine representatives of major plant families and learn structural characteristics taxonomists use in their identification. Lab activities and class notes are designed to highlight the evolutionary significance of modifications and structural adaptations that distinguish plant families.

Chemistry

Prerequisite: Biology and Algebra II OR Concurrent Enrollment

Grade Level: 10, 11, 12

1.0 credit

This course is for the students who are college bound and want preparation for college level chemistry. This course meets the requirement for qualified admissions for Regents institutions. The curriculum will include, but is not limited to, units in scientific method, lab safety, measurement, atomic theory, periodicity, bonding, nomenclature, stoichiometry, classification of chemical reactions, gas laws, acid/base reactions, and redox reactions. Learning activities will center around lecture/demonstration, readings from the text and laboratory investigations.

Earth/Space Science

Prerequisite: Physical Science or Biology

Grade Level: 11, 12

1.0 credit

This course involves the study of the processes that formed and changed our planet. This class includes a survey of meteorology, astronomy and geology. Students will use technology to relate content to real-world situations, along with some hands-on activities. Students must be able to work out basic algebraic expressions, chemistry problems and physics concepts.

Environmental Science

Prerequisite: Biology

Grade Level: 10, 11, 12

1.0 credit

Environmental science is a course dedicated to understanding the interactions between earth's natural systems and the demands placed on them by the human population. This course examines the scientific principles behind natural phenomena and resource cycles, explores how we utilize these systems and our impact, and potential solutions for the resulting consequences of resource mismanagement and exploitation. The course includes elements of life science, physical science, and social science and focuses on breadth and interrelatedness of relevant current events. Concepts can be explored through inquiry based laboratory exercises, environmental health assessment techniques, student presentations and projects.

Field Biology

Prerequisite: Biology

Grade Level: 10, 11, 12

0.5 credit

Field Biology is designed for those students who desire to gain more understanding and appreciation for native plants and animals. Students will become more familiar with both terrestrial and aquatic habitats through species identification and population studies. Students will also examine how human impact has affected these native plants and animals.

Genetics

Prerequisite: Chemistry

Grade Level: 11, 12

0.5 credit

Students will learn about basic genetic principles, protein synthesis, meiosis, elements of probability and statistics, human genetic diseases, genetic engineering and modern techniques and procedures used by geneticists today. There are discussions of recent biological research and its impact on social, moral and ethical issues.

Honors Biology (Weighted Course)

Grade Level: 9, 10

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. Expanding on the General Biology curriculum, Honors Biology will take students on a more in-depth focus with an emphasis on enhancing scientific skills. These skills include developing/using models, obtaining, evaluation, and communicating information, and constructing explanations and designing solutions. This course is designed for students who have a high interest in science and plan to enroll in advanced science classes.

Honors Chemistry (Weighted Course)

Prerequisite: Biology, A/B Average in Geometry and Algebra II OR Concurrent Enrollment

Grade Level: 10, 11

1.0 credit

Honors Chemistry is a more rigorous version of the standard course. It is highly recommended for those that are interested in taking AP Chemistry. Honors Chemistry is a deeper immersion into chemistry concepts and will cover content such as oxidation-reduction reactions and intermolecular forces that is not included in the standard course. It is an excellent preparation for any students that are interested in science related college degrees or careers.

Physical Science

REQUIRED COURSE

Grade Level: 9, 10, 11, 12

1.0 credit

This course teaches the fundamental principles of physics and chemistry. One semester explores energy and its forms: sound, light, heat, mechanical and electricity. Second semester deals with the chemical nature of matter, exploring both physical and chemical properties. Both semesters use everyday applications to make the physical science concepts real.

Physics

Prerequisite: Algebra II or HN Algebra II

Grade Level: 11, 12

1.0 credit

Physics is a study of the interaction of matter and energy. In this course we will study the laws of motion, forces, heat, electricity, magnetism, sound and light. The course is designed to make use of several laboratory investigations. The course also goes in depth into using problem solving strategies.

Zoology

Prerequisite: Biology

Grade Level: 10, 11, 12

0.5 credit

Did you know the first animal on our planet arrived 700 million years ago in the form of a sponge? Throughout this course, students will look at the evolution of animals beginning with invertebrates like the sponge and ending with vertebrates such as birds and mammals. Students will study taxonomy, animal physiology, and the ecology of animals. Students will develop laboratory research skills in the classroom as well as perform dissections on various animals.

SOCIAL SCIENCE

American Government

REQUIRED COURSE

Grade Level: 12

0.5 credit

The study of American Government, including the U.S. Constitution, is based on an assumption that understanding of the fundamentals of government is essential to the success of a democratic society. Basic rights of citizenship as well as the obligations and responsibilities of citizenship are key components of the course. This course will serve as a practical political survey for any student.

AP European History (Weighted Course)

Fulfills World History Requirement

Grade Level: 10, 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. AP European History participants will study the history of Europe since 1450. This course introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the modern world. AP European History helps students understand the development of contemporary social and political institutions, the evolution of current forms or artistic expression and discussion. Students will also discuss the role of conflict and resolution in historical European context, and the impact it has had on modern day society. Students will be required to develop extensive writing skills and analytical thought processes as they explore historical trends in European history. Reading requirements for this course will be in-depth and expose students to a college level reading load. The AP Exam will be offered at the conclusion of this course.

AP US History (Weighted Course)

Eligible for College Now credit

Grade Level: 11

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. AP US History participants survey United States History from colonial times to present, emphasizing important social, political, cultural and economic developments that have shaped the American Character of the US. Extensive analysis of U.S. history, reading and writing are essential components in this course. The course follows the National Advanced Placement curriculum in U.S. History and is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in U.S. History. The course prepares students for intermediate and advanced college courses. Students in the course will use primary and contemporary sources to compare past trends with current issues. AP Exam is offered at the conclusion of this course.

Current Social Issues

Grade Level: 11, 12

0.5 credit

A course designed around the study of current world events, global issues, global decision making, regional studies and geography. Developing an awareness of contemporary problems can lead to increased acceptance of the complex role Americans play in an increasingly interdependent world.

Honors American Government

Eligible for College Now credit

Grade Level: 12

0.5 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. Honors American Government includes a study of political philosophies and processes applied to the modern world. Emphasis will be on constitutional law; civil rights; the executive, legislative, and judicial processes; and political action for both the people and the candidates who involve themselves in the political process. At the conclusion of this course, the students will demonstrate the ability to function as a participatory citizen in the American Democracy.

Honors World Geography

Grade Level: 9

0.5 credit

Honors Geography is a 9th grade advanced social studies course aimed at challenging student conceptions of urban and environmental geography, by bolstering their understanding of the world around them and how it operates. In this course, students will study geospatial relationships and patterns through various technology programs, will correlate human population growth and movement to various demographic factors, and will come to terms with the state of the planet's **environments**, and how human societies play a role.

Humanities of the Medieval & Renaissance

Grade Level: 11, 12

0.5 credit

An in-depth study of the Medieval and Renaissance time periods, focusing on art, literature, history, and music. This course provides students with increased knowledge and appreciation of these times while preparing the students for upper-division work.

Psychology

Grade Level: 11, 12

0.5 credit

Introduction to Psychology is a dynamic and interactive approach to understanding behavior and mental processes. Activities and hands-on demonstrations accompany such topics as learning, memory, personality, psychological disorders, the brain and five senses, and much more. This introductory course is suited for all students especially those who are college bound.

Sociology

Grade Level: 10, 11, 12

0.5 credit

Sociology is an investigation and analysis of human relationships—their causes and consequences. Emphasis will be placed upon investigating social issues in the local, national, and global environments. The student will be able to recognize the impact of norms, values, and institutions on the individual.

US History

REQUIRED COURSE

Grade Level: 11

1.0 credit

This course places emphasis on US History from Post-Reconstruction to present. Focus is on the 20th Century development of America as a world power and a modern nation. Study in the course parallels domestic as well as international events and movement. Understanding and developing an appreciation of our cultural heritage and political legacy will help prepare young Americans for active citizenship in an ever changing nation and world.

World Geography

REQUIRED COURSE

Grade Level: 9

0.5 credit

This course is a required one-semester study of the many aspects of Geography. The course will begin with an examination of the tools of geography, as well as the Five Themes of Geography to establish a base to build students' understanding of the work around them. Emphasis will be placed on a study of the physical geography, (major regions of the world, climate, weather, places, et.) and human geography (the impact of populations on economic growth, the environment, resources, and culture, etc.). In addition, the course will provide a basic framework for understanding macroeconomics. This will include brief surveys of topics such as economic systems, GDP, international trade, and national budgets; students will compare data from different regions to understand diverse global economic situations.

World History

REQUIRED COURSE

Grade Level: 10

1.0 credit

This is a survey course that covers significant events in world history from the Renaissance and Reformation to the present. Emphasis is placed on European history, but other cultural centers are covered. Contains a great deal of geography. This course emphasizes the basic skills of note-taking, listening and analytical thinking.

SPECIAL ELECTIVES

ACT Test Preparation

Prerequisite: Algebra II, Chemistry or Concurrent Enrollment
Grade Level: 11 (spring semester), 12 (fall semester)
0.5 credit

ACT Test Preparation is an elective designed to help students understand the ACT testing process and utilize testing strategies to enable students to increase their ACT test score. Curriculum will be reviewed in Math, Science, English and Reading, specific to the content covered on the test. Practice ACT tests will be required with some tests administered outside of class so that the ACT mandated testing conditions can be simulated. Students planning on attending a 4-year college/university as a freshman are encouraged to complete this course the semester prior to taking the actual ACT test.

Cadet Volunteers (Elementary & Middle Schools)

Prerequisite: Application
Grade Level: 12
0.5 credit (per semester)

***Cadets will be required to provide their own transportation to school assigned.**

This course allows seniors to travel to an elementary/middle school to work in a volunteer capacity for a classroom teacher. While under the supervision of a classroom teacher, the cadet may offer support to younger students academically and support the teacher in various volunteer based capacities for about 3 hours per week. During each grading period, the cooperating teacher will evaluate the cadet and issue a P/F grade. This grade is not included in the student's GPA. **Not part of the CTE Pathway.**

Certified Nurse Aide (CNA)

Prerequisite: Application & Counselor Approval
Grade Level: 12
1.0 credit

College Credit Available

This course provides classroom and clinical instruction for the primary care of clients in long-term and acute-care facilities. Students learn skills for daily hygiene, bedside care, vital sign measurement, positioning and safe transfer of clients. The class prepares and schedules the student to take C.N.A. examination. 96 contact hours.

ELL – English Language Learner

Prerequisite: Placement by counselor
Grade Level: 9, 10, 11, 12
1.0 credit

This class is designed for students who are learning English as their second or other languages. To participate in the class, a student must qualify for the program by taking the KELPA Screener or already placed in an ELL program at a previous school. The class provides support to students in core classes and is designed to help to meet graduation pre-requirements as they improve English language proficiency in the areas of reading, speaking, writing and listening. Students will take a yearly proficiency exam in the spring to track their progress for monitored status and possible exit from the program by passing the KELPA test in the spring.

Gifted Education

Prerequisite: IEP Team Approval
Grade Level: 9, 10, 11, 12

Credit varies – May be taken for a semester or full year

This course is available to those students identified as gifted according to the criteria established by the USD #231 Special Services Department and the state of Kansas. The objective of this class is to provide students an opportunity to identify, develop and expand their interests and strengths. The curricular and affective needs of the students are addressed through independent research, college and career exploration, competitive challenges and additional opportunities as defined by the IEP.

Guided Study

Prerequisite: SIT Team Approval
Grade Level: 9, 10, 11, 12

1.0 credit

This course will provide an environment that promotes a strong academic identity for students, through building skills in organization, time management, study habits and positive relationships.

Intro to Sports Officiating

Grade Level: 10, 11, 12

0.5 credit

Introduction to Sports Officiating allows the student to become certified to be a referee in multiple sports. Certifications are from Ref Reps, and can lead to fee reimbursement from the Kansas State High School Activities Association if the student chooses to be licensed by them. The Fall semester focuses on volleyball and basketball certifications, and one with the student's choice. The Spring semester will focus on Softball, Baseball and one with the student's choice. The class will include the completion of various sport modules, video viewing with you-make-the-call scenarios, guest speakers, and real game action and/or shadowing.

KAMS

Prerequisite: Requires application

Grade Level: 11, 12

The Kansas Academy of Mathematics and Science (KAMS) is a two-year, early-entrance-to-college program for high school juniors and seniors who are gifted and talented in math and science. The program is located at Fort Hays State University (FHSU) in Hays, Kansas. For more information, visit fhsu.com/kams.

Learning Center

Prerequisite: IEP Team Approval

Grade Level: 9, 10, 11, 12

Credits Varies

Learning Center is for a student that has an active individualized education plan. The focus of the Learning Center is to work on adaptive, academic, and transition skills outlined within the student IEP. Students will explore a variety of topics including, but not limited to, strategies for academic success, time management & prioritization, organization strategies, IEP development, career exploration, post-secondary education/training exploration, social emotional skills, development of soft skills, and the ability to apply these skills across academic and real-world situations.

Teacher Aide

Prerequisite: Teacher Approval

Grade Level: 11, 12

0.25 K credit

Student aides will assist with a variety of responsibilities.

Teens Offering Peer Support (TOPS)

Prerequisite: Teacher Approval and Application

Grade Level: 10, 11, 12

0.5 credit

Through the use of peer mediated instruction, individuals in class will help one another develop skills in areas such as community involvement, friendships, social skills, peer pressure, goal setting, time management, disability awareness and more. Students with and without disabilities will work alongside each other through role play, community outings, social events and group work.

Workplace Learning

Prerequisite: Application and Selection for the course

Grade Level: 12

0.5 credit

Workplace learning gives students the opportunity to earn credit for on the job training, internships and experiences. Students will be responsible for reporting to the work setting, following job site expectations, and following up with a GEHS teacher to earn credit.

WORLD LANGUAGES

French I

Grade Level: 9, 10, 11, 12

1.0 credit

This is a standard college preparatory course and is part of the Regents Recommended Curriculum linked to state-sponsored scholarships. French I is an introduction to the French language which emphasizes the four skills of speaking, listening comprehension, writing and reading. By the end of the course the student is able to construct sentences in French and express his/her thoughts and communicate in an elementary fashion. French culture, cuisine and life-style are explored through experience and/or discussion.

French II

Prerequisite: French I

Grade Level: 9, 10, 11, 12

1.0 credit

This is a standard college preparatory course and is part of the Regents Recommended Curriculum linked to state-sponsored scholarship. French II broadens and expands skills begun in French I. Vocabulary is expanded, pronunciation refined and grammatical accuracy improved. By the end of the course the student will have become proficient at sentence building and will be able to converse in French, build paragraphs and comprehend spoken and written French at the intermediate level.

French III

Prerequisite: French I & II

Grade Level: 10, 11, 12

1.0 credit

Improved oral and written proficiency is the goal of French III. This is a standard college preparatory course. Students will increase vocabulary greatly and refine grammatical skills. Self-expression, preferences and opinions will be able to be easily communicated by the student by the end of the course. Career opportunities of the bilingual person will be presented and knowledge of French culture will be deepened.

Honors French IV (Weighted Course)

Recommended: French III with a grade of C or better

Grade Level: 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This is a standard college preparatory course. In this course continued improvement in the areas of fluency and listening comprehension is stressed. The student continues to increase vocabulary and refine grammatical skills for use in everyday speech, writing and for creative endeavors such as plays, writing magazines and stories and translating children's stories.

Honors Spanish IV (Weighted Course)

Recommended: Spanish III with a grade of C or better

Grade Level: 11, 12

1.0 credit

This course earns a weighted grade and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course. This course is designed to perfect the study of grammar and to continue developing the four skills: reading, writing, speaking and listening. On-going emphasis is placed upon increasing the student's vocabulary. Students will gain a fine appreciation of Hispanic cultural differences as well as the relationship between Spanish and other high school studies.

Spanish I

Grade Level: 9, 10, 11, 12

1.0 credit

This course introduces students to beginning Spanish vocabulary and grammar. Students will develop basic speaking, reading, writing and listening skills in Spanish. In addition, students will have a good working knowledge of the way of life, customs, food, songs, gestures, etc. in many countries where the language is spoken. Students are introduced to ways in which knowledge of Spanish can enrich their lives, aid in their careers, and how Spanish is related to other courses studied in high school.

Spanish II

Prerequisite: Spanish I

Grade Level: 9, 10, 11, 12

1.0 credit

Spanish II continues from Spanish I and seeks to improve pronunciation, widen vocabulary and make it possible for students to express themselves in more complex sentences than before. Students become better acquainted with the Spanish-speaking peoples of the world, their customs and many aspects of their cultures. At this level the student begins to improve reading and verbal skills and begins writing short paragraphs. Comprehension of spoken Spanish also increases. **Recommended students have successfully passed Spanish I.**

Spanish III

Prerequisite: Spanish II

Grade Level: 10, 11, 12

1.0 credit

Spanish III concludes the study of basic grammar and develops the four skills equally with a special emphasis placed on increasing the students' vocabulary by reading, writing, speaking, and listening. The students will also gain a fine appreciation of Hispanic cultural differences as well as the relationship between Spanish and other high school studies. **Recommended students have successfully passed Spanish II.**

2D Art	2	27	Cadet Volunteers	C	39
			Career & Life Planning		18
	3		Career Connections		20
3D Art		27	Ceramics I		27
	A		Certified Nurse Aide (CNA)		39
Accounting I		13	Chamber Orchestra		24
Accounting II		13	Chemistry		35
ACT Test Preparation		39	Chromebook Repair I		14
Acting		23	Chromebook Repair II		15
Advanced Ceramics		27	Competitive Debate		18
Advanced Design		27	Computer Applications		15
Advanced Jewelry & Metalsmithing		27	Concert Band		24
Advanced Repertory Theater		23	Concert Choir		24
Advanced Studies		10	Concert Orchestra		24
Advanced Technical Theater		23	Consumer Math		32
Aerobics		33	Creative Writing I		29
Algebra I		31	Creative Writing II		29
Algebra IA		31	Culinary Applications		20
Algebra II		31	Culinary Arts I		21
Algebra III		31	Culinary Prep I		21
American Government		37	Current Social Issues		37
Anatomy & Physiology		35		D	
AP Biology (Weighted Course)		35	Debate and Argumentation		18
AP Calculus AB		31	Digital Media		15
AP Calculus BC		31	Digital Photography I		27
AP Chemistry		35	Digital Photography II		28
AP Computer Science A		14	Drafting/CAD		11
AP Computer Science Principles		14		E	
AP English 11		29	Earth/Space Science		36
AP English 12		29	ELL – English Language Learner		39
AP European History		37	EMS First Responder		19
AP Physics I		35	English 10		29
AP Physics II (Weighted Course)		35	English 11		29
AP Statistics		31	English 12		29
AP US History		37	English 9		29
Architectural Design		10	English 9A		29
Astronomy		35	Entrepreneurship		13
Audio Video Production Fundamentals		14	Environmental Science		36
Auto Collision I		10	Event Planning and Management		21
Auto Collision II		10	Exploring Teaching		21
Auto Collision III		10		F	
Automotive Information		10	Family Studies		21
	B		Fashion Trends		21
Baking & Pastry I		20	Field Biology		36
Baking & Pastry II		20	Financial Literacy		13
Basic Design		27	Fire Science I		19
Beginning Band		23	Fire Science II		19
Beginning Repertory Theater		23	Fire Science Intern		19
Biology		35	Forensics		18
Blazer Jazz Band		23	French I		41
Blue Blazers		23	French II		41
Botany		35	French III		41
Building Trades I		11		G	
Building Trades II		11	General Services I		11
Building Trades III		11	General Services II		11
Business Essentials		13	General Services III		11
Business Law		13	Genetics		36



GARDNER EDGERTON HIGH SCHOOL

Gardner Edgerton USD 231

425 N. Waverly Road | Gardner, KS | 66030

P: 913.856.2600 | F: 913.856.2699

usd231.com/o/gardner-edgerton-hs

Gardner Edgerton High School is accredited by the State of Kansas.

This Course Description Book has been developed for the students and parents at Gardner Edgerton High School to clarify information about programs and courses offered. Students and parents should be able to combine the information in this book with advice received from teachers, counselors, and administrators in order to make decisions regarding their future plans.

Students and parents are responsible for knowing and honoring the contents of the Course Handbook. Questions and clarifications can be directed toward the Counseling Office at 913-856-2617.

The Gardner Edgerton School District #231, Gardner, Kansas, does not discriminate on the basis of race, color, national origin, sex, age or handicap in admission or access to or treatment or employment in, its programs or activities. Any questions or complaints regarding the district's compliance with Title VI, Title IX, or Section 504 may be directed to:

Christi Whitter: Section 504 (students); 913-856-2000

OR

U.S. Department of Education

One Petticoat Lane

1010 Walnut Street, Suite 320

Kansas City, MO 64106

Telephone: 816-268-0550; Facsimile: 816-268-0559

E-Mail: OCR. KansasCity@ed.gov

This course description book is produced by the teachers, counselors and administration of GEHS. The course book cover was created by Sam Elsey (Class of 2026).