Holmes High School

Course Catalog
2024-2025

Mission Statement:
To guide students to discover, pursue and connect to their post-secondary dreams.

Holmes High School

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Covington, KY 41014
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Holmes High School Credit Requirements

ALL graduating classes need 22 credits to graduate from Holmes High School.

Additionally, ALL students need to pass the Civics Exam administered in Social Studies Classes as well as receive instruction in Financial Literacy and Essential Workplace Skills which are embedded within curriculum taught in math and career courses.

Students must earn at total of 22 Credits	
English	4 Credits
Mathematics	4 credits
Science	3 Credits
Social Studies	3 Credits
Physical Education	½ Credit
Health	½ Credit
Visual and Performing Arts	1 Credit
Electives	6 Credits

SAMPLE GRADE LEVEL SCHEDULES

Outlined below are sample grade level schedules to assist in choosing classes.

9th Grade	10th Grade	11th Grade	12th Grade
Math	Math	Math	Math
English	English	English	English
Science	Science	Science	CTE Pathway Year 3 Course
Social Studies	Social Studies	Social Studies	CTE Pathway Year 4 Course
Leadership Dynamics and Careers Course	CTE Pathway Year 1 Course	CTE Pathway Year 2 Course	Elective Choice
Elective Choice	Elective Choice	Elective Choice	Elective Choice

*****Requirements of Visual & Performing Arts and Health & PE should be factored in graduation requirements. *****

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ENGLISH—Graduation requirement—a total of 4 English credits

230107—English 1A
Grade Level: 9
Credits: .5
Course Description: This course highlights the theme of Coming of Age. Students study the relationship between narrative voice and style, while analyzing literary and stylistic elements in film and literature. They develop persuasive writing skills by using rhetorical appeals. Performance and oral interpretation of literature builds students' speaking and listening skills. Students research and evaluate social, cultural, and historical influences on texts. Students evaluate their use of strategies by embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

230107—English 1B
Grade Level: 9
Credits: .5
Course Description: This course highlights the theme of Coming of Age. Students study the relationship between narrative voice and style, while analyzing literary and stylistic elements in film and literature. They develop persuasive writing skills by using rhetorical appeals. Performance and oral interpretation of literature builds students' speaking and listening skills. Students research and evaluate social, cultural, and historical influences on texts. Students evaluate their use of strategies by embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

230107 H—English 1A Honors
Grade Level: 9
Credits: .5
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into everything they read with a critical lens to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is summer reading which students are required to complete in order to stay enrolled in the course.
Course Description: This course highlights the theme of Coming of Age. Students study the relationship between narrative voice and style, while analyzing literary and stylistic elements in film and literature. They develop persuasive writing skills by using rhetorical appeals. Performance and oral interpretation of literature builds students' speaking and listening skills. Students research and evaluate social, cultural, and historical influences on texts. Students evaluate their use of strategies by embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

230107 H—English 1B Honors
Grade Level: 9
Credits: .5
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into everything they read with a critical lens to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is summer reading which students are required to complete in order to stay enrolled in the course.
Course Description: This course highlights the theme of Coming of Age. Students study the relationship between narrative voice and style, while analyzing literary and stylistic elements in film and literature. They develop persuasive writing skills by using rhetorical appeals. Performance and oral interpretation of literature builds students' speaking and listening skills. Students research and evaluate social, cultural, and historical influences on texts. Students evaluate their use of strategies by embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

230110—English 2A
Grade Level: 10
Credit: .5
Prerequisite: English 1
Course Description: This course focuses on the concept of culture and community and examines how these influences shape identity and perspective. Students read and analyze works of world literature, with emphasis on analysis of how stylistic choices and rhetorical elements shape tone in persuasive and argumentative text, both print and non-print. Students develop their independent learning skills as they respond to opportunities for self-evaluation with embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

More English course offerings continued on the next page.

230110—English 2B
Grade Level: 10
Credit: .5
Prerequisite: English 1
Course Description: This course focuses on the concept of culture and community and examines how these influences shape identity and perspective. Students read and analyze works of world literature, with emphasis on analysis of how stylistic choices and rhetorical elements shape tone in persuasive and argumentative text, both print and non-print. Students develop their independent learning skills as they respond to opportunities for self-evaluation with embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

230110 H—English 2A Honors
Grade Level: 10
Credit: .5
Prerequisite: English 1
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into everything they read with a critical lens to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is summer reading which students are required to complete in order to stay enrolled in the course.
Course Description: This course focuses on the concept of culture and community and examines how these influences shape identity and perspective. Students read and analyze works of world literature, with emphasis on analysis of how stylistic choices and rhetorical elements shape tone in persuasive and argumentative text, both print and non-print. Students develop their independent learning skills as they respond to opportunities for self-evaluation with embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

230110 H—English 2B Honors
Grade Level: 10
Credit: .5
Prerequisite: English 1
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into everything they read with a critical lens to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is summer reading which students are required to complete in order to stay enrolled in the course.
Course Description: This course focuses on the concept of culture and community and examines how these influences shape identity and perspective. Students read and analyze works of world literature, with emphasis on analysis of how stylistic choices and rhetorical elements shape tone in persuasive and argumentative text, both print and non-print. Students develop their independent learning skills as they respond to opportunities for self-evaluation with embedded instruction focused on improving reading skills through small-group instruction, computer enhanced instruction and exploratory learning.

230113—English 3A
Grade Level: 11
Credit: .5
Prerequisite: English 2
Course Description: English 3 focuses on American fiction and nonfiction. Students research historical and contemporary texts as they consider the impact of the American Dream on life today and on personal thinking. Students will write in a variety of modes—personal essays, opinions and editorials, credos, reflective self-evaluation, speeches, satire, dramatic scripts, surveys, literary analyses, and research projects.

230113—English 3B
Grade Level: 11
Credit: .5
Prerequisite: English 2
Course Description: English 3 focuses on American fiction and nonfiction. Students research historical and contemporary texts as they consider the impact of the American Dream on life today and on personal thinking. Students will write in a variety of modes—personal essays, opinions and editorials, credos, reflective self-evaluation, speeches, satire, dramatic scripts, surveys, literary analyses, and research projects.

More English course offerings continued on the next page.

230166—AP Language and Composition A
Grade Level: 11-12
Credit: .5
Prerequisites: English 2
Course Description: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. College credit is earned with a qualifying score on an AP exam.

230166—AP Language and Composition B
Grade Level: 11-12
Credit: .5
Prerequisites: English 2
Course Description: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. College credit is earned with a qualifying score on an AP exam.

230167—AP Literature and Composition A
Grade Level: 11-12
Credit: .5
Prerequisites: English 2
Course Description: The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. College credit is earned with a qualifying score on an AP exam.

230167—AP Literature and Composition B
Grade Level: 11-12
Credit: .5
Prerequisites: English 2
Course Description: The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. College credit is earned with a qualifying score on an AP exam.

230116—English 4A
Grade Level: 12
Credit: .5
Course Description: English IV focuses on world literature, both fiction and nonfiction. Students research historical and contemporary texts. Students will write in a variety of modes—personal essays, opinions and editorials, credos, reflective self-evaluation, speeches, satire, dramatic scripts, surveys, literary analyses, and research projects.

More English course offerings continued on the next page.

230116—English 4B
Grade Level: 12
Credit: .5
Course Description: English IV focuses on world literature, both fiction and nonfiction. Students research historical and contemporary texts. Students will write in a variety of modes—personal essays, opinions and editorials, credos, reflective self-evaluation, speeches, satire, dramatic scripts, surveys, literary analyses, and research projects.

230165—IB English Language & Literature A (IB English 4A)
Grade Level: 12
Credit: .5
Prerequisites: IB English 3A&B SL
Course Description: This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices, and to encourage students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. Helping students to focus closely on the language of studied texts and to become aware of the role of wider context in shaping meaning central to the course. The study of literature in translation from other cultures is especially important to IB Diploma Program students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres, and media.

230165—IB English Language & Literature B (IB English 4B)
Grade Level: 12
Credit: .5
Prerequisites: IB English 3A&B SL
Course Description: This course aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can relate to culturally determined reading practices, and to encourage students to question the meaning generated by language and texts. An understanding of the ways in which formal elements are used to create meaning in text is combined with an exploration of how that meaning is affected by reading practices that are culturally defined and by the circumstances of production and reception. Helping students to focus closely on the language of studied texts and to become aware of the role of wider context in shaping meaning central to the course. The study of literature in translation from other cultures is especially important to IB Diploma Program students because it contributes to a global perspective. Texts are chosen from a variety of sources, genres, and media.

231211—Reading Development A
Grade Level: 9
Credit: .5
Course Description: This is a unique ninth grade class designed to develop the knowledge and strategies necessary to be powerful readers. This class will help students become more engaged in reading and increase reading comprehension and fluency as well as develop an independent love of reading. Students will participate in metacognitive conversations and explore their evolving reader identity.

231211—Reading Development B
Grade Level: 9
Credit: .5
Course Description: This is a unique ninth grade class designed to develop the knowledge and strategies necessary to be powerful readers. This class will help students become more engaged in reading and increase reading comprehension and fluency as well as develop an independent love of reading. Students will participate in metacognitive conversations and explore their evolving reader identity.

230511—Creative Writing A
Grade Levels: 11-12
Credit: .5
Course Description: Students will use mentor texts to model various forms of creative writing from poetry to creative essays. Students will have the opportunity to analyze and create works such as short stories, one-act plays, poetry and/or personal, expressive pieces.

230511—Creative Writing B
Grade Levels: 11-12
Credit: .5
Course Description: Students will use mentor texts to model various forms of creative writing from poetry to creative essays. Students will have the opportunity to analyze and create works such as short stories, one-act plays, poetry and/or personal, expressive pieces.

More English course offerings continued on the next page.

239111—Journalism A
Grade Levels: 10-12
Credit: .5
Course Description: In this course, students would be introduced to the basics of journalism. Students will begin by learning the history of journalism and learn how periodical writing differs from traditional writing in English Class. The ultimate objective of this course would be preparing students to begin publishing and writing for a Holmes High School student-led Newspaper.

239111—Journalism B
Grade Levels: 10-12
Credit: .5
Course Description: In this course, students would be introduced to the basics of journalism. Students will begin by learning the history of journalism and learn how periodical writing differs from traditional writing in English Class. The ultimate objective of this course would be preparing students to begin publishing and writing for a Holmes High School student-led Newspaper.

231011—Public Speaking A
Grade Levels: 10-12
Credit: .5
Course Description: This course will expose students to research, preparation, delivery, and analysis of extemporaneous, demonstrative, persuasive (including debate and forensic techniques) and informative oral communications.

231011—Public Speaking B
Grade Levels: 10-12
Credit: .5
Course Description: This course will expose students to research, preparation, delivery, and analysis of extemporaneous, demonstrative, persuasive (including debate and forensic techniques) and informative oral communications.

230168—IB Theories of Knowledge A
Grade Levels: 11
Credit: .5
Course Description: Theory of Knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the Diploma Program by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share.

230168—IB Theories of Knowledge B
Grade Levels: 12
Credit: .5
Course Description: Theory of Knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the Diploma Program by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share.

MATH—Graduation requirement—a total of 4 Math Courses

270304--Algebra 1A
Grade Level: 9
Credit: .5
Course Description: This course is the foundation for all future math courses. Topics include solving various types of equations, solving linear inequalities, proportions, graphing relations, functions, inequalities, elementary statistics and probability, solving systems of equations and polynomials. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

270304--Algebra 1B
Grade Level: 9
Credit: .5
Course Description: This course is the foundation for all future math courses. Topics include solving various types of equations, solving linear inequalities, proportions, graphing relations, functions, inequalities, elementary statistics and probability, solving systems of equations and polynomials. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

270304 H--Algebra 1A Honors
Grade Level: 9
Credit: .5
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course.
Course Description: This course is the foundation for all future math courses. Topics include solving various types of equations, solving linear inequalities, proportions, graphing relations, functions, inequalities, elementary statistics and probability, solving systems of equations and polynomials. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

270304 H--Algebra 1B Honors
Grade Level: 9
Credit: .5
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course.
Course Description: This course is the foundation for all future math courses. Topics include solving various types of equations, solving linear inequalities, proportions, graphing relations, functions, inequalities, elementary statistics and probability, solving systems of equations and polynomials. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

270401—Geometry A
Grade Levels: 9-10
Credit: .5
Prerequisite: Algebra 1
Course Description: This course is a study of two- and three-dimensional geometry including definitions, postulates, theorems and measurement. The coordinate plane will be emphasized with distance, midpoint and slope, plus linear equations involving parallel and perpendicular lines. Triangles will be a concentration point with congruency, similarity, special properties, angle thumb theorem and right triangle trigonometry. Special properties of polygons will be covered along with areas, perimeters of polygons and circumference of circles, volumes and transformations. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

More Mathematics course offerings continued on the next page.

270401—Geometry B
Grade Levels: 9-10
Credit: .5
Prerequisite: Algebra 1
Course Description: This course is a study of two- and three-dimensional geometry including definitions, postulates, theorems and measurement. The coordinate plane will be emphasized with distance, midpoint and slope, plus linear equations involving parallel and perpendicular lines. Triangles will be a concentration point with congruency, similarity, special properties, angle thumb theorem and right triangle trigonometry. Special properties of polygons will be covered along with areas, perimeters of polygons and circumference of circles, volumes and transformations. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

270401 H—Geometry A Honors
Grade Levels: 9-10
Credit: .5
Prerequisite: Algebra 1
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course.
Course Description: This course is a study of two- and three-dimensional geometry including definitions, postulates, theorems and measurement. The coordinate plan will be emphasized with distance, midpoint and slope, plus linear equations involving parallel and perpendicular lines. Triangles will be a concentration point with congruency, similarity, special properties, angle thumb theorem and right triangle trigonometry. Special properties of polygons will be covered along with areas, perimeters of polygons and circumference of circles, volumes and transformations. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

270401 H—Geometry B Honors
Grade Levels: 9-10
Credit: .5
Prerequisite: Algebra 1
This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course.
Course Description: This course is a study of two- and three-dimensional geometry including definitions, postulates, theorems and measurement. The coordinate plane will be emphasized with distance, midpoint and slope, plus linear equations involving parallel and perpendicular lines. Triangles will be a concentration point with congruency, similarity, special properties, angle thumb theorem and right triangle trigonometry. Special properties of polygons will be covered along with areas, perimeters of polygons and circumference of circles, volumes and transformations. Additional topics to be covered include preliminary concepts, simplifying expressions, linear equations, quadratic equations, systems of equations, exponent rules and scientific notation and geometry.

270311—Algebra 2A
Grade Levels: 10-12
Credit: .5
Prerequisite: Geometry
Course Description: This course involves a review and extension of introductory algebra, graphing, writing linear equations, solving systems of equations. Students also study algebraic concepts and processes such as matrices, quadratics and complex numbers, polynomials, radicals, rational expressions, conics, logarithms and sequences and series, both arithmetic and geometric.

270311—Algebra 2B
Grade Levels: 10-12
Credit: .5
Prerequisite: Geometry
Course Description: This course involves a review and extension of introductory algebra, graphing, writing linear equations, solving systems of equations. Students also study algebraic concepts and processes such as matrices, quadratics and complex numbers, polynomials, radicals, rational expressions, conics, logarithms and sequences and series, both arithmetic and geometric.

More Mathematics course offerings continued on the next page.

270311 H—Algebra 2A Honors

Grade Levels: 10-12

Credit: .5

Prerequisite: Geometry

This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course.

Course Description: This course involves a review and extension of introductory algebra, graphing, writing linear equations, solving systems of equations. Students also study algebraic concepts and processes such as matrices, quadratics and complex numbers, polynomials, radicals, rational expressions, conics, logarithms and sequences and series, both arithmetic and geometric.

270311 H —Algebra 2B Honors

Grade Levels: 10-12

Credit: .5

Prerequisite: Geometry

This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course.

Course Description: This course involves a review and extension of introductory algebra, graphing, writing linear equations, solving systems of equations. Students also study algebraic concepts and processes such as matrices, quadratics and complex numbers, polynomials, radicals, rational expressions, conics, logarithms and sequences and series, both arithmetic and geometric.

270704 Integrated Math 4 A

Grade 12

Credit: .5

Course Description: An integrated approach to high school mathematics is typically seen internationally and consists of a sequence of four courses depending on school's curriculum; each course includes number, algebra, geometry, probability and statistics and is no less rigorous than a traditional pathway of Algebra 1, Geometry, Algebra 2 and Pre-Calculus. This course is the fourth year of an integrated mathematics sequence and should address the remaining required standards not included in Integrated 3 and the (+) standards included in the Kentucky Academic Standards. This course contains modeling standards.

270704 Integrated Math 4 B

Grade 12

Credit: .5

Course Description: An integrated approach to high school mathematics is typically seen internationally and consists of a sequence of four courses depending on school's curriculum; each course includes number, algebra, geometry, probability and statistics and is no less rigorous than a traditional pathway of Algebra 1, Geometry, Algebra 2 and Pre-Calculus. This course is the fourth year of an integrated mathematics sequence and should address the remaining required standards not included in Integrated 3 and the (+) standards included in the Kentucky Academic Standards. This course contains modeling standards.

270512—IB Mathematics A

Grade Levels: 11-12

Credits: .5

Prerequisites: Geometry

Course Description: This course focuses on introducing important mathematical concepts through the development of mathematical techniques. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than insisting on the mathematical rigor required for mathematics at a higher level. Students should, wherever possible, apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context. College credit is earned with a qualifying score on an IB exam.

270512—IB Mathematics B

Grade Levels: 11-12

Credits: .5

Prerequisites: Geometry

Course Description: This course focuses on introducing important mathematical concepts through the development of mathematical techniques. The intention is to introduce students to these concepts in a comprehensible and coherent way, rather than insisting on the mathematical rigor required for mathematics at a higher level. Students should, wherever possible, apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context. College credit is earned with a qualifying score on an IB exam.

More Mathematics course offerings continued on the next page.

270501—Pre-Calculus A
Grade Levels: 11-12
Credit: .5
Prerequisites: Geometry
Course Description: This course is designed to assist students to attain the concepts necessary to be successful in a Calculus course, and AP Calculus course or a College Calculus course. Objectives for this course should include, but are not limited to: solve equations and inequalities involving polynomial, rational, exponential, and logarithmic and trigonometric functions, understand and apply the behavior and properties of polynomial, rational, exponential, logarithmic, and trigonometric functions, use technology to solve and graph various types of equations and inequalities and prove trigonometric identities. Standard for this course may also include the (+) standards denoted in the Kentucky academic standards document.

270501—Pre-Calculus B
Grade Levels: 11-12
Credit: .5
Prerequisites: Geometry
Course Description: This course is designed to assist students to attain the concepts necessary to be successful in a Calculus course, and AP Calculus course or a College Calculus course. Objectives for this course should include, but are not limited to: solve equations and inequalities involving polynomial, rational, exponential, and logarithmic and trigonometric functions, understand and apply the behavior and properties of polynomial, rational, exponential, logarithmic, and trigonometric functions, use technology to solve and graph various types of equations and inequalities and prove trigonometric identities. Standard for this course may also include the (+) standards denoted in the Kentucky academic standards document.

270604—AP Statistics A
Grade Levels: 11-12
Credit: .5
Prerequisites: Geometry
Course Description: This course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. College credit is earned with a qualifying score on an AP exam.

270604—AP Statistics B
Grade Levels: 11-12
Credit: .5
Prerequisites: Geometry
Course Description: This course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. College credit is earned with a qualifying score on an AP exam.

080719—Personal Finance A
Grade Levels: 12
Credits: .5
Course Description: This course is designed to provide students with the knowledge and skills to manage one's financial resources effectively for lifetime financial security. Topics include economics, money in the economy, budgeting, credit, consumer rights, investments and retirement planning, beyond what was addressed in the student's foundational courses. A Personal Finance (Math Credit) course may include, but is not limited to, topics found in the (+) standards of the KAS for Mathematics.

080719—Personal Finance B
Grade Levels: 12
Credits: .5
Course Description: This course is designed to provide students with the knowledge and skills to manage one's financial resources effectively for lifetime financial security. Topics include economics, money in the economy, budgeting, credit, consumer rights, investments and retirement planning, beyond what was addressed in the student's foundational courses. A Personal Finance (Math Credit) course may include, but is not limited to, topics found in the (+) standards of the KAS for Mathematics.

SCIENCE—Graduation requirement—a total of 3 credits required

303091—Integrated Science 1A
Grade Levels: 9-12
Credit: .5
Course Description: This lab-based introductory course is organized based on the topical structure contained in the Kentucky Academic Standards for Science. Integrated Science I included listed within the topics of: Structure and Properties of Matter, Chemical Reactions, Structure and Function, Interdependent Relationships in Ecosystems, and Earth's Systems.

303091—Integrated Science 1B
Grade Levels: 9-12
Credit: .5
Course Description: This lab-based introductory course is organized based on the topical structure contained in the Kentucky Academic Standards for Science. Integrated Science I included listed within the topics of: Structure and Properties of Matter, Chemical Reactions, Structure and Function, Interdependent Relationships in Ecosystems, and Earth's Systems.

302601—Biology 1A
Grade Levels: 10-12
Credit: .5
Course Description: This course is designed to cover cellular and body structure, basic knowledge and functions of living organisms with an emphasis on the study of cells, their organelles, mitosis, meiosis, DNA, and genetics. Interdependence of organisms will be investigated as well as matter, energy and organization in living systems.

302601—Biology 1B
Grade Levels: 10-12
Credit: .5
Course Description: This course is designed to cover cellular and body structure, basic knowledge and functions of living organisms with an emphasis on the study of cells, their organelles, mitosis, meiosis, DNA, and genetics. Interdependence of organisms will be investigated as well as matter, energy and organization in living systems.

304521—Chemistry 1A
Grade Levels: 11-12
Credit: .5
Prerequisite: Biology
Course Description: This course focuses on problem solving techniques; bonding; equilibrium; equations. Students develop a conceptual understanding of chemistry content, outlined in the Kentucky Academic Standards. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

304521—Chemistry 1B
Grade Levels: 11-12
Credit: .5
Prerequisite: Biology
Course Description: This course focuses on problem solving techniques; bonding; equilibrium; equations. Students develop a conceptual understanding of chemistry content, outlined in the Kentucky Academic Standards. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

More Science course offerings continued on the next page.

304521—Chemistry 1 Honors A

Grade Levels: 11-12

Credit: .5

Prerequisite: Biology

This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course. Students are encouraged to take AP Chemistry the following school year.

Course Description: This course focuses on problem solving techniques; bonding; equilibrium; equations. Students develop a conceptual understanding of chemistry content, outlined in the Kentucky Academic Standards. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

304521—Chemistry 1 Honors B

Grade Levels: 11-12

Credit: .5

Prerequisite: Biology

This is an open enrollment accelerated course. Students will have an opportunity to dive deeper into content to prepare students for the demands of upper level AP, IB and dual credit courses. The only prerequisite is a summer assignment which students are required to complete in order to stay enrolled in the course. Students are encouraged to take AP Chemistry the following school year.

Course Description: This course focuses on problem solving techniques; bonding; equilibrium; equations. Students develop a conceptual understanding of chemistry content, outlined in the Kentucky Academic Standards. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

304526–AP Chemistry A

Grade Levels: 11-12

Credit: .5

Prerequisite: Chemistry 1 and Algebra II.

Course Description: The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. College credit is earned with a qualifying score on an AP exam.

304526–AP Chemistry B

Grade Levels: 11-12

Credit: .5

Prerequisite: Chemistry 1 and Algebra II.

Course Description: The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. College credit is earned with a qualifying score on an AP exam.

304524—IB Chemistry SL A

Grade Level: 11

Credit: .5

Course Description: This course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

More Science course offerings continued on the next page.

304524—IB Chemistry SL B

Grade Level: 11
Credit: .5
Course Description: This course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

304524—IB Chemistry HL A

Grade Level: 12
Credit: .5
Prerequisites: IB Chemistry SL
Course Description: This course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

304524—IB Chemistry HL B

Grade Level: 12
Credit: .5
Prerequisites: IB Chemistry SL
Course Description: This course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyze results and evaluate and communicate their findings.

302616—Forensics A

Grade Level: 10-12
Credit: .5
Course Description: This course is a problem-based inquiry course dealing with Forensic sciences.

302616—Forensics B

Grade Level: 10-12
Credit: .5
Course Description: This course is a problem-based inquiry course dealing with Forensic sciences.

304620–Environmental Science A

Grade Level: 11-12
Credit: .5
Course Description: Students will develop understanding of environmental concepts as outlined in the Kentucky Academic Standards for Science, such as cycling of matter, biodiversity, earth systems, energy flow and climate, and human impact. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

304620–Environmental Science B

Grade Level: 11-12
Credit: .5
Course Description: Students will develop understanding of environmental concepts as outlined in the Kentucky Academic Standards for Science, such as cycling of matter, biodiversity, earth systems, energy flow and climate, and human impact. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

SOCIAL STUDIES—Graduation requirement—a total of 3 credits

459801—Integrated Social Studies A
Grade Level: 9
Credit: .5
Course Description: This course is an introductory survey of the inquiry practices and disciplinary strands civics, economics, geography and history of social studies. It is designed to give the student exposure to the inquiry practices and the disciplinary strands of social studies.

459801—Integrated to Social Studies B
Grade Level: 9
Credit: .5
Course Description: This course is an introductory survey of the inquiry practices and disciplinary strands civics, economics, geography and history of social studies. It is designed to give the student exposure to the inquiry practices and the disciplinary strands of social studies.

450876—AP World History A
Grade Level: 9
Credit: .5
Course Description: AP World History looks at five common themes throughout the course: Interaction between humans and the environment, Development and interactions of cultures, State-building, expansion, and conflict, Creation, expansion, and interaction of economic systems, Development and transformation of social structures. Course content includes map reading, interpreting charts and graphs, and acquiring a social studies vocabulary. As an AP course, students will be expected to access, read and analyze materials independently and to write analytically. College credit is earned with a qualifying score on an AP exam.

450876—AP World History B
Grade Level: 9
Credit: .5
Course Description: AP World History looks at five common themes throughout the course: Interaction between humans and the environment, Development and interactions of cultures, State-building, expansion, and conflict, Creation, expansion, and interaction of economic systems, Development and transformation of social structures. Course content includes map reading, interpreting charts and graphs, and acquiring a social studies vocabulary. As an AP course, students will be expected to access, read and analyze materials independently and to write analytically. College credit is earned with a qualifying score on an AP exam.

450712—AP Human Geography A
Grade Levels: 9-12
Credits: .5
Course Description: This course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. College credit is earned with a qualifying score on an AP exam.

450712—AP Human Geography B
Grade Levels: 9-12
Credits: .5
Course Description: This course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. College credit is earned with a qualifying score on an AP exam.

450878—Sports History A
Grade Levels: 10-12
Credits: .5
Course Description: This course focuses on the historical and cultural forces that have influenced the people and institutions of our country, particularly related to popular sports. Students will learn about not only how the major games came to be, but the influence on customs of people, their values, their folklore, and their family life. Through the historical context, students will examine the influence of sports on local, state, and national government, politics, economics, citizenship responsibilities, and problem-solving techniques.

More Social Studies course offerings continued on the next page.

450878—Sports History B
Grade Levels: 10-12
Credits: .5
Course Description: This course focuses on the historical and cultural forces that have influenced the people and institutions of our country, particularly related to popular sports. Students will learn about not only how the major games came to be, but the influence on customs of people, their values, their folklore, and their family life. Through the historical context, students will examine the influence of sports on local, state, and national government, politics, economics, citizenship responsibilities, and problem-solving techniques.

450875—History of Covington and Cincinnati A
Grade Levels: 10-12
Credits: .5
Course Description: This course focuses on the historical and cultural forces that have influenced the people and the institutions of our communities. This elective should give equal chronological coverage to Covington and Cincinnati before and after the Civil War. It should stress the role of geography in the area's development and the importance of the regional variations. The customs of the people, their values, their folklore, and their family life should be examined in our urbanism context. All of this should be done through the historical context, and should enhance the forces shaping government, politics, and social change. Topics of students may be the arts, civil rights, communications, education, environment, labor history, religions, the sciences, and transportation.

450875—History of Covington and Cincinnati B
Grade Levels: 10-12
Credits: .5
Course Description: This course focuses on the historical and cultural forces that have influenced the people and the institutions of our communities. This elective should give equal chronological coverage to Covington and Cincinnati before and after the Civil War. It should stress the role of geography in the area's development and the importance of the regional variations. The customs of the people, their values, their folklore, and their family life should be examined in our urbanism context. All of this should be done through the historical context, and should enhance the forces shaping government, politics, and social change. Topics of students may be the arts, civil rights, communications, education, environment, labor history, religions, the sciences, and transportation.

451121—Sociology A
Grade Levels: 9-12
Credits: .5
Course Description: Sociology is the scientific study of hum society. It is concerned with the behavior of human beings in group situations. The study of sociology, therefore, consists of trying to understand: The basic units and institutions of social life, such as the family, schools, neighborhoods, rural and urban communities, and the many other kinds of groups with which humans identify. This group can include occupational, political, religious, ethnic, family, economic status, or ideology. Sociological perspectives focus on how those social relationships arise, why they persist, why antagonisms develop, and how they maintain social order to contribute to social change.

451121—Sociology B
Grade Levels: 9-12
Credits: .5
Course Description: Sociology is the scientific study of hum society. It is concerned with the behavior of human beings in group situations. The study of sociology, therefore, consists of trying to understand: The basic units and institutions of social life, such as the family, schools, neighborhoods, rural and urban communities, and the many other kinds of groups with which humans identify. This group can include occupational, political, religious, ethnic, family, economic status, or ideology. Sociological perspectives focus on how those social relationships arise, why they persist, why antagonisms develop, and how they maintain social order to contribute to social change.

451031—Government & Civics A
Grade Level: 10
Credit: .5
Course Description: The government course focuses on the founding principles and beliefs of the United States. Students will study the structure, functions, and powers of government at the national, state, and local levels.

451031—Government & Civics B
Grade Level: 10
Credit: .5
Course Description: The government course focuses on the founding principles and beliefs of the United States. Students will study the structure, functions, and powers of government at the national, state, and local levels.

More Social Studies course offerings continued on the next page.

451030—AP US Government and Politics A
Grade Level: 10-12
Credit: .5
Course Description: The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality.

451030—AP US Government and Politics B
Grade Level: 10-12
Credit: .5
Course Description: The AP Government & Politics: United States course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality.

450812—U.S. History: Reconstruction – Present A
Grade Level: 11
Credit: .5
Prerequisite: Two years of social studies
Course Description: This American studies course provides students with the opportunity to learn about history of the United States from the Reconstruction era to Contemporary times. Students will investigate how America's political system works, what the responsibilities of citizenship include, and what makes American democracy unique. The course of study will also allow students to trace the rise of America's economic system, examine how the geography of the United States has influenced its development, and explore how America has emerged as a diverse culture.

450812—U.S. History: Reconstruction – Present B
Grade Level: 11
Credit: .5
Prerequisite: Two years of social studies
Course Description: This American studies course provides students with the opportunity to learn about history of the United States from the Reconstruction era to Contemporary times. Students will investigate how America's political system works, what the responsibilities of citizenship include, and what makes American democracy unique. The course of study will also allow students to trace the rise of America's economic system, examine how the geography of the United States has influenced its development, and explore how America has emerged as a diverse culture.

450830—IB History of the Americas 1 HL A
Grade Level: 11
Credit: .5
Prerequisite: Two years of social studies
Course Description: IB History I is an extremely challenging course of study that would be equivalent to a college-level history class. IB History I centers on historical inquiry into various eras in American history, including American Revolution, Constitution, Transformation of Democracy: Jefferson to Jackson, Civil war and Reconstruction, Industrialization, Immigration, and Urbanization, Progressivism, The Great Depression and New Deal.

450830—IB History of the Americas 1 HL B
Grade Level: 11
Credit: .5
Prerequisite: Two years of social studies
Course Description: IB History I is an extremely challenging course of study that would be equivalent to a college-level history class. IB History I centers on historical inquiry into various eras in American history, including American Revolution, Constitution, Transformation of Democracy: Jefferson to Jackson, Civil war and Reconstruction, Industrialization, Immigration, and Urbanization, Progressivism, The Great Depression and New Deal.

450814—AP U.S. History A
Grade Levels: 11-12
Credit: .5
Course Description: This course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance - American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society - provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth. College credit is earned with a qualifying score on an AP exam.

More Social Studies course offerings continued on the next page.

450814—AP U.S. History B
Grade Levels: 11-12
Credit: .5
Course Description: This course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance - American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society - provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth. College credit is earned with a qualifying score on an AP exam.

459903—IB Psychology A
Grade Levels: 11-12
Credit: .5
Prerequisite: 2 years of Social Studies
Course Description: The International Baccalaureate Psychology course of study includes the study of psychology from three main perspectives: Biological perspective, learning perspective, and cognitive perspective. In addition to these three perspectives the course examines the causes and treatments of dysfunctional behaviors.

459903—IB Psychology B
Grade Levels: 11-12
Credit: .5
Prerequisite: 2 years of Social Studies
Course Description: The International Baccalaureate Psychology course of study includes the study of psychology from three main perspectives: Biological perspective, learning perspective, and cognitive perspective. In addition to these three perspectives the course examines the causes and treatments of dysfunctional behaviors.

459902—AP Psychology A
Grade Levels: 11-12
Credit: .5
Course Description: This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, development psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. College credit is earned with a qualifying score on an AP exam.

459902—AP Psychology B
Grade Levels: 11-12
Credit: .5
Course Description: This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, development psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. College credit is earned with a qualifying score on an AP exam.

450830—IB History of the Americas 2 HL A
Grade Level: 12
Credit: .5
Prerequisite: IB History of the Americas SL
Course Description: International Baccalaureate History of the Americas II requires students to make comparisons between similar and dissimilar solutions to common human situations, whether they are political, economic or social. It invites comparisons between, but not judgments of, different cultures, political systems and national traditions. Topics include World War I, the rise of single party states, World War II, Cold War 1945-1979, and a special focus on Latin America.

More Social Studies course offerings continued on the next page.

450830—IB History of the Americas 2 HL B
Grade Level: 12
Credit: .5
Prerequisite: IB History of the Americas SL
Course Description: International Baccalaureate History of the Americas II requires students to make comparisons between similar and dissimilar solutions to common human situations, whether they are political, economic or social. It invites comparisons between, but not judgments of, different cultures, political systems and national traditions. Topics include World War I, the rise of single party states, World War II, Cold War 1945-1979, and a special focus on Latin America.

450877–African American Studies A
Grade Level: 11-12
Credit: .5
Course Description: African American History will trace the historical, political, societal, economic and cultural issues from ancient Africa through the African American experience. Emphasis will be placed on contemporary issues facing African-Americans.

450877–African American Studies B
Grade Level: 11-12
Credit: .5
Course Description: African American History will trace the historical, political, societal, economic and cultural issues from ancient Africa through the African American experience. Emphasis will be placed on contemporary issues facing African-Americans.

450887– AP African American Studies A
Grade Level: 11-12
Credit: .5
Course Description: AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora.

450887– AP African American Studies B
Grade Level: 11-12
Credit: .5
Course Description: AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora.

PHYSICAL EDUCATION—Graduation requirement—a ½ credit of physical education

340216—Physical Education I
Grade Levels: 9-12
Credit: .5
Course Description: A variety of activities will be utilized to stress the development of the components of physical fitness. Basic skills, strategies, teamwork and general knowledge of team sports will also be included. Various athletic-based activities will be included in this course.

340219—Advanced Physical Education
Grade Levels: 10-12
Credit: .5
Course Description: This course offers students the opportunity to strengthen the specific skills of different sports including team and individual sports. **Elective Course ONLY**

340214—Fitness Conditioning
Grade Levels: 10-12
Credit: .5
Course Description: This course emphasizes conditioning activities that help develop muscular strength, muscular endurance, flexibility and cardiorespiratory endurance. **Elective Course ONLY**

HEALTH EDUCATION—Graduation requirement—a ½ credit of health education

340133—Health Education I
Grade Levels: 9-12
Credit: .5
Course Description: This course emphasizes the use of health values in making decisions. The course content includes alcoholism, drug abuse, personal hygiene, accident prevention, family living, sex education, environmental health, nutrition, and consumer health.

VISUAL AND PERFORMING ARTS—Graduation requirement—1 visual or performing arts credit

500111—History/Appreciation of Visual/Performing Arts Survey A
Grade Level: 9-12
Credit: .5
Course Description: This course provides a historical and philosophical survey of all art forms. Students will participate in performance and hands-on activities in order to gain a richer insight into the different art forms. Students will create, perform and respond in and to the arts.

500111—History/Appreciation of Visual/Performing Arts Survey B
Grade Level: 9-12
Credit: .5
Course Description: This course provides a historical and philosophical survey of all art forms. Students will participate in performance and hands-on activities in order to gain a richer insight into the different art forms. Students will create, perform and respond in and to the arts.

500920—Music – Modern Music Ensemble A
Grade Level: 9-12
Credit: .5
Course Description: Students study and perform a variety of contemporary or popular styles, such as traditional jazz, jazz improvisation and rock. These courses also cultivate students' technique on instruments appropriate to the style(s) performed -- brass, woodwind, string, percussion instruments, and/or electronic. These ensembles may include both instrumental and vocal music. Coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions and also includes experiences in responding to music. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Courses are offered on multiple levels to accommodate proficiency. **Prior experience on a musical instrument is recommended, but not required. Students will be expected to participate in a variety of performances throughout the year.**

500920—Music – Modern Music Ensemble B
Grade Level: 9-12
Credit: .5
Course Description: Students study and perform a variety of contemporary or popular styles, such as traditional jazz, jazz improvisation and rock. These courses also cultivate students' technique on instruments appropriate to the style(s) performed -- brass, woodwind, string, percussion instruments, and/or electronic. These ensembles may include both instrumental and vocal music. Coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions and also includes experiences in responding to music. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Courses are offered on multiple levels to accommodate proficiency. **Prior experience on a musical instrument is recommended, but not required. Students will be expected to participate in a variety of performances throughout the year.**

500913—Music – Concert/Marching Band A
Grade Level: 9-12
Credit: .5
Course Description: This class involves music theory, music history, theater, dance, literature and the correlation of music to art. Students will perform at various venues across the greater Cincinnati/Northern Kentucky area, especially in group and individual competitions. Grades will be based on daily rehearsal technique, attendance at performances and periodic assessments including a final exam.

500913—Music – Concert/Marching Band B
Grade Level: 9-12
Credit: .5
Course Description: This class involves music theory, music history, theater, dance, literature and the correlation of music to art. Students will perform at various venues across the greater Cincinnati/Northern Kentucky area, especially in group and individual competitions. Grades will be based on daily rehearsal technique, attendance at performances and periodic assessments including a final exam.

500925—Music – Chorus A
Grade Level: 9-12
Credit: .5 ***(may be repeated for up to two credits)***
Course Description: This advanced vocal music course will focus on performance techniques, vocal skills and reading music as well as tailoring performances for public concerts. Students will learn to put together an appropriate program and refine their performance techniques. Students will perform at various venues across the greater Cincinnati/Northern Kentucky area, especially in group and individual adjudicated events. Attendance at after-school practices and performances is expected.

More Visual and Performing Arts course offerings continued on the next page.

500925—Music – Chorus B
Grade Level: 9-12
Credit: .5 ***(may be repeated for up to two credits)***
Course Description: This advanced vocal music course will focus on performance techniques, vocal skills and reading music as well as tailoring performances for public concerts. Students will learn to put together an appropriate program and refine their performance techniques. Students will perform at various venues across the greater Cincinnati/Northern Kentucky area, especially in group and individual adjudicated events. Attendance at after-school practices and performances is expected.

500913—Music -- Beginning Band A
Grade Levels: 9-12
Credit: .5
Course Description: This beginning music course will explore the basics of instrument care and use, the fundamentals of sound production and standard notation, ensemble and solo performance, and will also include topics relating to music theory, performing arts history, cultural relevance, literature, etc. as they relate to music. Students will take part in performances on and off campus, and will be graded based on rehearsal participation, concert attendance, regular playing tests, and periodic assessments including a final exam. No previous abilities are required. **Students who would like to play a percussion instrument will be required to complete one full year on a wind instrument before playing percussion (special exceptions may exist with director approval).*

500913—Music -- Beginning Band B
Grade Levels: 9-12
Credit: .5
Course Description: This beginning music course will explore the basics of instrument care and use, the fundamentals of sound production and standard notation, ensemble and solo performance, and will also include topics relating to music theory, performing arts history, cultural relevance, literature, etc. as they relate to music. Students will take part in performances on and off campus, and will be graded based on rehearsal participation, concert attendance, regular playing tests, and periodic assessments including a final exam. No previous abilities are required. **Students who would like to play a percussion instrument will be required to complete one full year on a wind instrument before playing percussion (special exceptions may exist with director approval).*

500928–Music – Advanced Band A
Grade Levels: 10-12
Credit: .5
Course Description: This course will combine music theory and symphonic band together. Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: melody, harmony, composition, arrangement, analysis, aural development, and sight reading. Courses in Symphonic Band are designed to promote students' playing technique for brass, woodwind, and percussion instruments, and cover a variety of music styles. Literature for Symphonic Band courses is usually more advanced and incorporates orchestral literature transcribed for band. These courses emphasize rehearsal and performance experiences and also include experiences in creating and responding to music. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Symphonic band courses are offered on multiple skill levels to accommodate proficiency. This state course code can be repeated for students that take multiple years of this course. **Students enrolled in this course have the opportunity to earn dual credit from local college as well.**

500928–Music – Advanced Band B
Grade Levels: 10-12
Credit: .5
Course Description: This course will combine music theory and symphonic band together. Music Theory courses provide students with an understanding of the fundamentals of music and include one or more of the following topics: melody, harmony, composition, arrangement, analysis, aural development, and sight reading. Courses in Symphonic Band are designed to promote students' playing technique for brass, woodwind, and percussion instruments, and cover a variety of music styles. Literature for Symphonic Band courses is usually more advanced and incorporates orchestral literature transcribed for band. These courses emphasize rehearsal and performance experiences and also include experiences in creating and responding to music. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Symphonic band courses are offered on multiple skill levels to accommodate proficiency. This state course code can be repeated for students that take multiple years of this course. **Students enrolled in this course have the opportunity to earn dual credit from local college as well.**

More Visual and Performing Arts course offerings continued on the next page.

500711—Visual Art – Comprehensive A

Grade Levels: 9-12

Credit: .5

Course Description: This class is designed to introduce the student to the discipline of visual art. It is intended to expose the student to concepts, principles and practices in two-dimensional and three-dimensional art.

500711—Visual Art – Comprehensive B

Grade Levels: 9-12

Credit: .5

Course Description: This class is designed to introduce the student to the discipline of visual art. It is intended to expose the student to concepts, principles and practices in two-dimensional and three-dimensional art.

500712—Visual Art – Drawing and Painting

Grade Level: 10-12

Credit: .5

Prerequisites: Visual Art - Comprehensive

Course Description: This course is a continuation of material learned in Art Foundations. Students will concentrate on two-dimensional media with emphasis on drawing and painting.

500713—Visual Arts – Sculpture

Grade Level: 11-12

Credit: .5

Prerequisites: Visual Art - Comprehensive

Course Description: This course continues the material learned in Art Foundations. Students will produce sculpture and ceramics using various media.

500717 IB Visual Art A

Grade Level: 11-12

Credit: .5

Course Description: This course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. College credit is earned with a qualifying score on an IB exam.

500717 IB Visual Art B

Grade Level: 11-12

Credit: .5

Course Description: This course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. College credit is earned with a qualifying score on an IB exam.

More Visual and Performing Arts course offerings continued on the next page.

500930—IB Music A

Grade Level: 11-12

Credit: .5

Course Description: This course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. IB Diploma Program music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. College credit is earned with a qualifying score on an IB exam.

500930—IB Music B

Grade Level: 11-12

Credit: .5

Course Description: This course seeks to develop students' knowledge and potential as musicians, both personally and collaboratively. IB Diploma Program music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. College credit is earned with a qualifying score on an IB exam.

ELECTIVE COURSE OFFERINGS—Graduation Requirement— Students must have a TOTAL of 6 elective credits

906010 Peer Tutoring A
Grades: 11-12
Credit: .5
Course Description: This course is designed to train students in effective peer tutoring skills and provide experiences in peer tutoring.

906010 Peer Tutoring B
Grades: 11-12
Credit: .5
Course Description: This course is designed to train students in effective peer tutoring skills and provide experiences in peer tutoring.

904010 Study Skills A
Grade: 9
Credit: .5
Course Description: This course is designed to provide students using an IEP the opportunity to develop strategies and techniques to improve organization, note taking, self-advocacy, studying, test taking, time management and to remediate their areas of disability so as to become college and career ready. For freshman students, attention will be given towards helping a student make a smooth transition from middle school to high school.

904010 Study Skills B
Grade: 9
Credit: .5
Course Description: This course is designed to provide students using an IEP the opportunity to develop strategies and techniques to improve organization, note taking, self-advocacy, studying, test taking, time management and to remediate their areas of disability so as to become college and career ready. For freshman students, attention will be given towards helping a student make a smooth transition from middle school to high school.

901005—Experience-Based Work
Grade Level: 12
Credit: students may earn up to 2 credits for this course.
Prerequisite: Must have earned College or Career Ready Status to be eligible to participate in this program.
Course Description: Work based experience provides an opportunity for students to work with a team consisting of a school advisor and potential employer to develop and improve on skills necessary to be successful in the workforce. The skills that are explored include job search, interviewing, job shadowing, communication skills, professionalism and working as a team. Career advising in an important element of this course and should take place in a real world context. The course may involve academic projects aligned to skills applied at the workplace. The code would also be used for Experienced Based Career Education course. ***Students may be eligible to take for 3 periods, but to earn KEES money during senior year student must also be enrolled in 4 additional credits.***

FOREIGN LANGUAGE ELECTIVES

161108—Spanish 1 A
Grade Level: 9-12
Credit: .5
Course Description: Students will make introductions, tell the date and time, describe themselves and others, talk about things they like to do, talk about what they do on a daily basis, discuss classes and school events, describe family relationships and where families live, talk about food and recipes, staying fit and give advice. Students will also be exposed to various cultural topics throughout the course and become familiar with many Spanish speaking countries, their practices, products, and perspectives.

161108—Spanish 1 B
Grade Level: 9-12
Credit: .5
Course Description: Students will make introductions, tell the date and time, describe themselves and others, talk about things they like to do, talk about what they do on a daily basis, discuss classes and school events, describe family relationships and where families live, talk about food and recipes, staying fit and give advice. Students will also be exposed to various cultural topics throughout the course and become familiar with many Spanish speaking countries, their practices, products, and perspectives.

161109—Spanish 2 A
Grade Level: 10-12
Credit: .5
Prerequisite: Spanish 1
Course Description: Students use slightly more complex vocabulary and grammar structures than Spanish I. They will talk about things they like to do, household chores, professions, descriptions, places around town, giving directions and commands, school events, the body and getting hurt, daily routines and people and things in the past. Students will also look at a variety of cultural topics including famous celebrations and traditions and the culture of various capital cities around the Spanish-speaking world.

161109—Spanish 2 B
Grade Level: 10-12
Credit: .5
Prerequisite: Spanish 1
Course Description: Students use slightly more complex vocabulary and grammar structures than Spanish I. They will talk about things they like to do, household chores, professions, descriptions, places around town, giving directions and commands, school events, the body and getting hurt, daily routines and people and things in the past. Students will also look at a variety of cultural topics including famous celebrations and traditions and the culture of various capital cities around the Spanish-speaking world.

161110 Spanish 3 A
Grade: 10-12
Credit: .5
Prerequisite: Spanish 1 and 2
Course Description: It prepares students to communicate in the target language and perform interpersonal, interpretive and presentational communicative tasks; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

161110 Spanish 3 B
Grade: 10-12
Credit: .5
Prerequisite: Spanish 1 and 2
Course Description: It prepares students to communicate in the target language and perform interpersonal, interpretive and presentational communicative tasks; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

More Spanish course offerings continued on next page.

161124—IB Spanish AB Initio A
Grade Level: 11-12
Credit: .5
Prerequisite: Spanish 2
Course Description: The Diploma Program focuses on the acquisition and use of language in a range of contexts and for different purposed while, at the same time, promoting an understanding of another culture through the study of its language. This course is offered for Modern Languages and Classical Languages, and corresponds to Language Ab Initio courses.

161124—IB Spanish AB Initio B
Grade Level: 11-12
Credit: .5
Prerequisite: Spanish 2
Course Description: The Diploma Program focuses on the acquisition and use of language in a range of contexts and for different purposed while, at the same time, promoting an understanding of another culture through the study of its language. This course is offered for Modern Languages and Classical Languages, and corresponds to Language Ab Initio courses.

161141–Spanish for Native Speakers 1 A
Grade Level: 9-12
Credit: .5
Prerequisite:
Course Description: High School course. Develops literacy skills for native speakers.

161141–Spanish for Native Speakers 1 B
Grade Level: 9-12
Credit: .5
Prerequisite:
Course Description: High School course. Develops literacy skills for native speakers.

161142–Spanish for Native Speakers 2 A
Grade Level: 9-12
Credit: .5
Prerequisite: Spanish for Native Speakers 1
Course Description: High School course. Develops literacy skills for native speakers.

161142–Spanish for Native Speakers 2 B
Grade Level: 9-12
Credit: .5
Prerequisite: Spanish for Native Speakers 1
Course Description: High School course. Develops literacy skills for native speakers.

DUAL CREDIT—College Classes during High School

Dual credit course offerings consist of college-level courses developed in accordance with KRS 164.098 in which a high school student receives credit from both the high school and postsecondary institution in which the student is enrolled upon completion of a single class or designated program of study. Postsecondary institution partners that are classified as public institutions must adhere to the statewide course classification system, which regulates Statewide General Education Student Learning Outcomes (SLOs), as defined and adopted through policy by the Kentucky Council of Postsecondary Education. The SLOs are divided into five categories: Quantitative Reasoning, Natural Sciences, Written and Oral Communications, Arts and Humanities, and Social and Behavioral Sciences.

These courses are taught by College Instructors—students are considered a college student for these courses; Holmes High School staff can offer support, but will not enter the grade for this course and cannot see the course curriculum or activities. Class selection is based upon the students' eligibility for the course along with schedule alignment to Holmes High School and partnering College. Students choosing to participate in these courses are expected to complete the college-level coursework and sign an agreement to aim for success. Each course costs approximately $170 per student, monies are available to help with tuition rates.

Prerequisites—course may have benchmark requirements; this is determined by the partnering institution, Holmes High School does not control this and can NOT override these requirements.

800011—Dual Credit Written Communications
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level, ACT Reading and English Benchmark probable.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is a Writing course.

800015—Dual Credit Oral Communications
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level, ACT Reading and English Benchmark probable.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is a Speech/Oral Communication (English) course.

800021—Dual Credit Quantitative Reasoning
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level, ACT Math Benchmark probable.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is a Mathematics course.

800031—Dual Credit Arts & Humanities
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is an Arts and Humanities/History and Appreciation of the Visual and Performing Arts course.

800032—Dual Credit Arts & Humanities—VPA
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is an Arts and Humanities/History and Appreciation of the Visual and Performing Arts course.

More Dual Credit course offerings continued on the next page.

800033—Dual Credit Arts & Humanities—World Language/Cultural Studies
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is an Arts and Humanities/History and Appreciation of the Visual and Performing Arts course.

800041—Dual Credit Natural Sciences
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is a Natural Science course.

800051—Dual Credit Social and Behavioral Sciences
Grade Level: 11-12
Credit: 1
Prerequisite: Determined at the College Level.
Course Description: This is a dual credit course. This course will enable the student to earn a credit at the high school and at the postsecondary institutions. This is a Social Studies course.

Prerequisites—course may have benchmark requirements; this is determined by the partnering institution, Holmes High School does not control this and can NOT override these requirements.

These courses are taught by College Instructors—students are considered a college student for these courses; Holmes High School staff can offer support, but will not enter the grade for this course and cannot see the course curriculum or activities. Class selection is based upon the students' eligibility for the course along with schedule alignment to Holmes High School and partnering College. Students choosing to participate in these courses are expected to complete the college-level coursework and sign an agreement to aim for success. Each course cost approximately $170 per student, monies are available to help with tuition rates.

Career and Technical Education Electives

Optional elective courses open to all students.

331010—Leadership Dynamics and Careers A

Grade 9

Credit: .5

Course Description: This course in career and technical education is designed to assist students with developing skills needed to be successful leaders and responsible members of society. This student will develop personal attributes and social skills. Emphasis will be placed on interpersonal skills, team building, communication, personal development and leadership. This course will include opportunities for students to apply their knowledge. Students will also be provided with a survey of skills needed for school-to-work transition. Opportunities to explore the career cluster and career paths, to heighten self-awareness, and to develop priorities and career decision-making skills are also provided. A variety of instructional resources, self-assessment instruments, and career interest surveys are included in the updating of the Individual Learning Plan (ILP).

331010—Leadership Dynamics and Careers B

Grade 9

Credit: .5

Course Description: This course in career and technical education is designed to assist students with developing skills needed to be successful leaders and responsible members of society. This student will develop personal attributes and social skills. Emphasis will be placed on interpersonal skills, team building, communication, personal development and leadership. This course will include opportunities for students to apply their knowledge. Students will also be provided with a survey of skills needed for school-to-work transition. Opportunities to explore the career cluster and career paths, to heighten self-awareness, and to develop priorities and career decision-making skills are also provided. A variety of instructional resources, self-assessment instruments, and career interest surveys are included in the updating of the Individual Learning Plan (ILP).

BUSINESS & MARKETING PATHWAY OFFERINGS

Outlined in the table below are all pathways for students interested in a future in Business & Marketing. These pathways should follow a proper course sequence. Upon completion of three credits students will be able to sit for the appropriate KOSSA certification. Additional industry certifications will be offered for some pathways. ***Courses may be taken out of approved pathway as additional elective options with teacher permission ONLY.***

BUSINESS AND MARKETING PATHWAYS

Marketing Pathway: *A program that generally prepares individuals to undertake and manage the process of developing consumer audiences and moving products from producers to consumers. Includes instruction in buyer behavior and dynamics, principle of marketing research, demand analysis, cost-volume and profit relationships, pricing theory, marketing campaign and strategic planning, market segments, advertising methods, sales operations and management, consumer relations, retailing, and applications to specific products and markets*

Course One	060111	Business & Marketing Essentials
Course Two	080716	Marketing Principles
Course Three	080717	Marketing Applications
Course Four	080310	Principles of Entrepreneurship
Optional Course	060109	Ethical Leadership

Certifications for Pathway: Marketing EOP Exam **OR** Assessment of Skills and Knowledge for Business (ASK)—Fundamental Marketing Concepts **AND** Google Cloud Certification—G Suite

Management and Entrepreneurship Pathway: *A program that prepares individuals to plan, organize, direct, and control the functions and processes of a firm or organization. Includes instruction in management theory, human resources management and behavior, accounting and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision making.*

Course One	060111	Business & Marketing Essentials
Course Two	080716	Marketing Principles
Course Three	060411	Introduction to Management
Course Four	080310	Principles of Entrepreneurship
Optional Course	060190	Ethical Leadership

Certifications for Pathway: Business Management EOP Exam **OR** Assessment of Skills and Knowledge for Business (ASK)—Fundamental Business Concepts **OR** Fundamental Marketing Concepts

More Business & Marketing course offerings continued on the next page.

060111–Business & Marketing Essentials A

Grade Level: 10-12

Credits: .5

Course Description: Business and Marketing Essentials is an introductory business course which enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership will be provided through FBLA and/or DECA.

060111–Business & Marketing Essentials B

Grade Level: 10-12

Credits: .5

Course Description: Business and Marketing Essentials is an introductory business course which enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership will be provided through FBLA and/or DECA.

080716—Marketing Principles A

Grade Level: 11-12

Credits: .5

Course Description: This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace, marketing functions including purchasing, pricing, and distribution functions. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. Leadership development will be provided through student organizations.

080716—Marketing Principles B

Grade Level: 11-12

Credits: .5

Course Description: This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace, marketing functions including purchasing, pricing, and distribution functions. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. Leadership development will be provided through student organizations.

060411—Introduction to Management A

Grade Level: 11-12

Credit: .5

Course Description: This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership; typical business organizational structure; product or service promotion in business; effective communications; human relations skills required in dealing with employees; and effective management strategies used in personnel, finance, production, marketing, and information processing. Leadership development will be provided through FBLA/DECA.

060411—Introduction to Management B

Grade Level: 11-12

Credit: .5

Course Description: This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership; typical business organizational structure; product or service promotion in business; effective communications; human relations skills required in dealing with employees; and effective management strategies used in personnel, finance, production, marketing, and information processing. Leadership development will be provided through FBLA/DECA.

More Business & Marketing course offerings continued on the next page.

080717—Marketing Applications A
Grade Level: 11-12
Credits: .5
Prerequisite: Marketing Principles
Course Description: This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, and employee/employer relations for a wide range of marketing careers. This course is based on the business and marketing core that includes communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing-information management and financial analysis. Leadership development will be provided through student organizations.

080717—Marketing Applications B
Grade Level: 11-12
Credits: .5
Prerequisite: Marketing Principles
Course Description: This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, and employee/employer relations for a wide range of marketing careers. This course is based on the business and marketing core that includes communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing-information management and financial analysis. Leadership development will be provided through student organizations.

060109—Ethical Leadership A
Grade Level: 12
Credits: .5
Course Description: This course is a principles-based ethics course introducing students to key leadership and ethical knowledge and skills, including integrity, trust, accountability, transparency, fairness, respect, rule of law, and viability. Throughout the course, students apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. They examine the concept of ethical leadership and strengthen their leadership and ethical decision-making skills through the planning, implementation, and evaluation of at least one class service-learning project. Leadership development will be provided through FBLA/DECA.

060109—Ethical Leadership B
Grade Level: 12
Credits: .5
Course Description: This course is a principles-based ethics course introducing students to key leadership and ethical knowledge and skills, including integrity, trust, accountability, transparency, fairness, respect, rule of law, and viability. Throughout the course, students apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. They examine the concept of ethical leadership and strengthen their leadership and ethical decision-making skills through the planning, implementation, and evaluation of at least one class service-learning project. Leadership development will be provided through FBLA/DECA.

060107—Business Education Co-Op A
Grade Level: 12
Credits: .5 *(Students can earn up to 2 credits for this course)*
Course Description: Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the Work Based Learning Guide. Specific GPA, Attendance, and Behavior requirements must be met for a student to be eligible for this opportunity.

060107—Business Education Co-Op B
Grade Level: 12
Credits: .5 *(Students can earn up to 2 credits for this course)*
Course Description: Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the Work Based Learning Guide. Specific GPA, Attendance, and Behavior requirements must be met for a student to be eligible for this opportunity.

More Business & Marketing course offerings continued on the next page.

080310 Principles of Entrepreneurship A
Grade: 12
Credits: .5
Course Description: This course is designed to provide students the skills needed to effectively organize, develop, create and manage their own business. This course is based on improving communication skills and understanding economics, financial analysis, operations, promotion and selling. The culminating project of the course is the development of a comprehensive business plan. Cooperative education or shadowing experiences may be used to enhance course instruction. Leadership development provided through FBLA, DECA and/or FCCLA. **Students with active leadership roles in the student based enterprise will be required to complete this course.**

080310 Principles of Entrepreneurship B
Grade: 12
Credits: .5
Course Description: This course is designed to provide students the skills needed to effectively organize, develop, create and manage their own business. This course is based on improving communication skills and understanding economics, financial analysis, operations, promotion and selling. The culminating project of the course is the development of a comprehensive business plan. Cooperative education or shadowing experiences may be used to enhance course instruction. Leadership development provided through FBLA, DECA and/or FCCLA. **Students with active leadership roles in the student based enterprise will be required to complete this course.**

INFORMATION TECHNOLOGY PATHWAY OFFERINGS *Outlined in the table below are all pathways for students interested in a future in Information Technology. Upon completion of three credits students will be able to sit for the appropriate KOSSA certification. Additional industry certifications will be offered.*

Computer Programming Pathway: *A program that prepares students to design and create apps, as well as troubleshoot the latest programming languages used in industry. Upon completion of this career pathway, students will be prepared for an entry level position in the IT field or continue their education in computer programming.*		
Course One	110110	Computer Literacy
Course Two	110201	Introduction to Programming
Course Three	110710	Introduction to Computer Science
Course Four	110711	AP Computer Science Principles
Certifications for Pathway: Certiport Certifications for specific programs		

110110-Computer Literacy A
Grade Level: 10-12
Credit: .5
Course Description: This course provides an introduction to the computer and the convergence of technology as used in today's global environment. Introduces topics including computer hardware and software, file management, the Internet, e-mail, the social web, green computing, security, and computer ethics. Instruction presents the basic use of application, programming, systems, and utility software. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in the Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

110110—Computer Literacy B
Grade Level: 10-12
Credit: .5
Course Description: This course provides an introduction to the computer and the convergence of technology as used in today's global environment. Introduces topics including computer hardware and software, file management, the Internet, e-mail, the social web, green computing, security, and computer ethics. Instruction presents the basic use of application, programming, systems, and utility software. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in the Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

110201—Introduction to Programming A
Grade Levels: 11-12
Credit: .5
Course Description: This course focuses on the general writing and implementation of generic and atomized programs to drive operating systems. Instruction includes software design, languages, and program writing, and troubleshooting. Students are introduced to fundamental programming concepts using an industry-specific or emerging programming language. Includes data types, control structures, simple data structures, error handling, modular programming, information and file processing, and uniqueness of the language used in the course. Students spend at least 20 hours programming and applying learned concepts through programming. Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.

More Information Technology course offerings continued on the next page.

110201—Introduction to Programming B

Grade Levels: 11-12

Credit: .5

Course Description: This course focuses on the general writing and implementation of generic and atomized programs to drive operating systems. Instruction includes software design, languages, and program writing, and troubleshooting. Students are introduced to fundamental programming concepts using an industry-specific or emerging programming language. Includes data types, control structures, simple data structures, error handling, modular programming, information and file processing, and uniqueness of the language used in the course. Students spend at least 20 hours programming and applying learned concepts through programming. Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.

110710–Introduction to Computer Science A

Grade Level: 11-12

Credit: .5

Course Description: Introduction to Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of the course is to develop in students the computational practices of algorithm development, problem-solving, and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in the Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

110710–Introduction to Computer Science B

Grade Level: 11-12

Credit: .5

Course Description: Introduction to Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of the course is to develop in students the computational practices of algorithm development, problem-solving, and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in the Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

110711—AP Computer Science Principles A

Grade Level: 12

Credit: .5

Course Description: This course is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Through both its content and pedagogy, this course aims to appeal to a broad audience. Teachers select the programming language(s) that is most appropriate for their students. Students spend at least 20 hours programming and applying learned concepts through programming. Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.

110711—AP Computer Science Principles B

Grade Level: 12

Credit: .5

Course Description: This course is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Through both its content and pedagogy, this course aims to appeal to a broad audience. Teachers select the programming language(s) that is most appropriate for their students. Students spend at least 20 hours programming and applying learned concepts through programming. Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.

HEALTH SCIENCE PATHWAY OFFERINGS

Outlined in the table below are all pathways for students interested in a future in Health Science. These pathways should follow a proper course sequence. Upon completion of three credits students will be able to sit for the appropriate KOSSA certification. Additional industry certifications will be offered for some pathways. ***Courses may be taken out of the approved pathway as additional elective options with teacher permission ONLY.***

Potential Dual Credit Opportunities Taught at HHS with HHS teachers within these programs.

HEALTH SCIENCE PATHWAYS		
Allied Health Pathway: *A general, introductory, undifferentiated, or joint program in health services occupations that prepares individuals for either entry into specialized training programs or for a variety of concentrations in the allied health area. Includes instruction in the basic sciences, research and clinical procedures, and aspects of the subject matter related to various health occupations.*		
Course One	170111	Principles of Health Science
Course Two	170167	Body Structures & Functions
Course Three	170131 & 170141	Medical Terminology & Emergency Procedures
Certifications for Pathway: NOCTI Healthcare Core Exam		
PLTW Biomedical Pathway: *A general program that focuses on the integrative scientific study of biological issues related to health and medicine, or a program in one or more of the biomedical sciences that is undifferentiated as to title. Includes instruction in any of the basic medical sciences at the research level; biological science research in biomedical faculties; and general studies encompassing a variety of the biomedical disciplines.*		
Course One	170701	Principles of Biomedical Services
Course Two	170702	Human Body Systems
Course Three	170703	Medical Interventions
Course Four	170704	Biomedical Innovations
Certifications for Pathway: NOCTI Biotechnology Exam		
Patient Care Technician Pathway: *This pathway prepares individuals for admission to a professional program in nursing. This pathway focuses on caring for patients in an acute care setting.*		
Course One	170111	Principles of Health Science
Course Two	170167	Body Structures & Functions
Courses Three	170131 & 170141	Medical Terminology & Emergency Procedures
Course Four	170502	Acute Care Basic Skills
Certifications for Pathway: NHA Patient Care Technician/Assistant (CPCCT/A)		

Health Sciences course offerings begin on the next page.

170111—Principles of Health Science A
Grade Level: 10-12
Credits: .5
Course Description: Principles of Health Science is an orientation and foundation for occupations and functions in any health care profession. The course includes broad health care core standards that specify the knowledge and skills needed by the vast majority of health care workers. The course focuses on exploring health career options, history of health care, ethical and legal responsibilities, leadership development, safety concepts, health care systems and processes and basic health care industry skills. This introductory course may be a prerequisite for additional courses in the Health Science program.

170111—Principles of Health Science B
Grade Level: 10-12
Credits: .5
Course Description: Principles of Health Science is an orientation and foundation for occupations and functions in any health care profession. The course includes broad health care core standards that specify the knowledge and skills needed by the vast majority of health care workers. The course focuses on exploring health career options, history of health care, ethical and legal responsibilities, leadership development, safety concepts, health care systems and processes and basic health care industry skills. This introductory course may be a prerequisite for additional courses in the Health Science program.

170701—Principles of Biomedical Science A
Grade Level: 10-12
Credits: .5
Course Description: Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts including: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function are incorporated in the curriculum where appropriate. The course is designed to provide an overview of all the courses in the Biomedical Science program and to lay the scientific foundation necessary for student success in the subsequent courses.

170701—Principles of Biomedical Science B
Grade Level: 10-12
Credits: .5
Course Description: Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts including: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function are incorporated in the curriculum where appropriate. The course is designed to provide an overview of all the courses in the Biomedical Science program and to lay the scientific foundation necessary for student success in the subsequent courses.

170167—Body Structures and Functions A
Grade Level: 11-12
Credits: .5
Course Description: Body Structures and Functions (formerly Basic Anatomy and Physiology) is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. The interactions of all body systems in maintaining homeostasis will promote an understanding of the basic human needs necessary for health maintenance. Academic knowledge from life science core content as it relates to the human body will be included. Laboratory activities should be a part of the course when appropriate.

170167—Body Structures and Functions B
Grade Level: 11-12
Credits: .5
Course Description: Body Structures and Functions (formerly Basic Anatomy and Physiology) is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. The interactions of all body systems in maintaining homeostasis will promote an understanding of the basic human needs necessary for health maintenance. Academic knowledge from life science core content as it relates to the human body will be included. Laboratory activities should be a part of the course when appropriate.

More Health Sciences course offerings continued on the next page.

170702—Human Body Systems A
Grade Level: 11-12
Credits: .5
Course Description: Students will engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems will be studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students will design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students will work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

170702—Human Body Systems B
Grade Level: 11-12
Credits: .5
Course Description: Students will engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems will be studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students will design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students will work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

170141—Emergency Procedures A
Grade Level: 11-12
Credits: .5
Course Description: This course will focus on potential emergency situations. It is designed to promote an understanding of standard precautions necessary for personal and professional health maintenance and infection control. Upon successful completion of the course, the student will demonstrate the necessary skills in First Aid and Cardiopulmonary Resuscitation (CPR) and will be given the opportunity to take the completion examination as outlined by the sponsoring agency. **Dual Credit Course taught at Holmes High School.**

170131—Medical Terminology A
Grade Level: 11-12
Credits: .5
Course Description: Medical Terminology is designed to develop a working knowledge of language in all health science major areas. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. Students will learn correct pronunciation, spelling and application rules. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. **Dual Credit Course taught at Holmes High School.**

170703—Medical Interventions A
Grade Level: 11-12
Credits: .5
Course Description: Student projects will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will study the design and development of various medical interventions including vascular stents, cochlear implants, and prosthetic limbs. They will review the history of organ transplants and gene therapy, and read current scientific literature to be aware of cutting edge developments. Using 3-D imaging software and current scientific research students will design and build a model of a therapeutic protein.

170703—Medical Interventions B
Grade Level: 11-12
Credits: .5
Course Description: Student projects will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will study the design and development of various medical interventions including vascular stents, cochlear implants, and prosthetic limbs. They will review the history of organ transplants and gene therapy, and read current scientific literature to be aware of cutting edge developments. Using 3-D imaging software and current scientific research students will design and build a model of a therapeutic protein.

More Health Sciences course offerings continued on the next page.

170704—Biomedical Innovations A
Grade Level: 12
Credits: .5
Course Description: This capstone course gives student teams the opportunity to work with a mentor, identify a science research topic, conduct research, write a scientific paper, and defend team conclusions and recommendations to a panel of outside reviewers. Each team will have one or more mentors from the scientific and/or medical community guiding their scientific research. This course may be combined with the capstone course from the pre-engineering pathway, allowing students from both pathways to work together to engineer a product that could impact healthcare.

170704—Biomedical Innovations B
Grade Level: 12
Credits: .5
Course Description: This capstone course gives student teams the opportunity to work with a mentor, identify a science research topic, conduct research, write a scientific paper, and defend team conclusions and recommendations to a panel of outside reviewers. Each team will have one or more mentors from the scientific and/or medical community guiding their scientific research. This course may be combined with the capstone course from the pre-engineering pathway, allowing students from both pathways to work together to engineer a product that could impact healthcare.

170502–Acute Care Basic Skills A
Grade Level: 12
Credits: .5
Course Description: Introduces students to basic health care skills. Prepares individuals to perform routine nursing-related services to patients in acute care settings under the training and supervision of an approved registered nurse or licensed practical nurse. Certification is available upon successful completion of National HealthCareer Association (NHA) Patient Care Technician exam. Prepares the student for entry-level healthcare positions in an acute care setting.

170502–Acute Care Basic Skills B
Grade Level: 12
Credits: .5
Course Description: Introduces students to basic health care skills. Prepares individuals to perform routine nursing-related services to patients in acute care settings under the training and supervision of an approved registered nurse or licensed practical nurse. Certification is available upon successful completion of National HealthCareer Association (NHA) Patient Care Technician exam. Prepares the student for entry-level healthcare positions in an acute care setting.

CONSTRUCTION PATHWAY OFFERINGS

Outlined in the table below are all pathways for students interested in a future in Construction. This pathway should follow a proper course sequence. Upon completion of three credits students will be able to sit for the appropriate KOSSA certification. Additional industry certifications will be offered as well. ***Courses may be taken out of the approved pathway as additional elective options with teacher permission ONLY.***

Potential Dual Credit Opportunities Taught at HHS with HHS teachers within this program.

CONSTRUCTION PATHWAY		
Residential Carpenter Assistant Pathway: *This pathway prepares individuals to apply technical knowledge and skills to layout, cut, fabricate, erect, install, and repair wooden structures and fixtures using hand and power tools. The pathway includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.*		
Course One	460201	Introduction to Construction Technology / CAR 126 & 127
Course Two	460212	Floor & Wall Framing
Course Three	460213	Ceiling & Roof Framing
Course Four	460214	Site Layout and Foundations / ISX 100 & BRX 220
Optional Course	460242	Carpentry Co-Op** *[Must meet GPA, Attendance, and Behavior Guidelines; Must be enrolled in Exterior and Interior Finish during same year]*
Certifications for Pathway: NCCER Core Curriculum **AND** NCCER Construction Carpentry (Level 1)		

460201—Introduction to Construction Technology A
Grade Level: 10-12
Credits: .5
Course Description: This course is the introduction to the construction carpentry industry. The class will emphasize safe and proper methods of operating hand tools, portable power tools, and stationary power tools in the construction industry. **This course is eligible for dual credit opportunity if the student meets qualifications.**

460201—Introduction to Construction Technology B
Grade Level: 10-12
Credits: .5
Course Description: This course is the introduction to the construction carpentry industry. The class will emphasize safe and proper methods of operating hand tools, portable power tools, and stationary power tools in the construction industry. **This course is eligible for dual credit opportunity if the student meets qualifications.**

460212—Floor and Wall Framing A
Grade Level: 11-12
Credits: .5
Course Description: The student will practice floor framing, layout, and construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced. **This course is eligible for dual credit opportunity if the student meets qualifications.**

More Construction course offerings continued on the next page.

460212—Floor and Wall Framing B
Grade Level: 11-12
Credits: .5
Course Description: The student will practice floor framing, layout, and construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced. **This course is eligible for dual credit opportunity if the student meets qualifications.**

460213—Ceiling and Roof Framing A
Grade Level: 11-12
Credits: .5
Course Description: This course covers roof types and combinations of roof types used in the construction industry. The emphasis of this course is on layout, cutting and installing ceiling joists, rafters, roof sheathing, and roof coverings for both commercial and residential construction. **This course is eligible for dual credit opportunity if the student meets qualifications.**

460213—Ceiling and Roof Framing B
Grade Level: 11-12
Credits: .5
Course Description: This course covers roof types and combinations of roof types used in the construction industry. The emphasis of this course is on layout, cutting and installing ceiling joists, rafters, roof sheathing, and roof coverings for both commercial and residential construction. **This course is eligible for dual credit opportunity if the student meets qualifications.**

460214—Site and Layout Foundations A
Grade Level: 12
Credit: .5
Course Description: This course allows students to prepare materials, calculate the cost for a building site, and layout a site with a transit, locating property lines and corners. Students calculate the amount of concrete needed for footing and foundation walls and construct different types of foundations and forms. **This course is eligible for dual credit opportunity if the student meets qualifications.**

460214—Site and Layout Foundations B
Grade Level: 12
Credit: .5
Course Description: This course allows students to prepare materials, calculate the cost for a building site, and layout a site with a transit, locating property lines and corners. Students calculate the amount of concrete needed for footing and foundation walls and construct different types of foundations and forms. **This course is eligible for dual credit opportunity if the student meets qualifications.**

460242—Co-Op (Carpentry) A
Grade Level: 12
Credits: .5
Course Description: Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

460242—Co-Op (Carpentry) B
Grade Level: 12
Credits: .5
Course Description: Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

ADVANCED MANUFACTURING PATHWAY OFFERINGS *Outlined in the table below are all pathways for students interested in a future in Advanced Manufacturing. This pathway should follow a proper course sequence. Upon completion of three credit courses students will be able to sit for the appropriate KOSSA certification. Additional industry certifications will be offered as well.* ***Courses may be taken out of the approved pathway as additional elective options with teacher permission ONLY.***

Potential Dual Credit Opportunities Taught at HHS with HHS teachers within this program.

ADVANCED MANUFACTURING PATHWAY		
Welder-Entry Level Pathway: *An entry-level welder demonstrates the ability to assist lead welders in fabricating steel and metal structures. Students must perform essential welding functions, calculate dimensions, and operate power equipment, grinders, and other tools. Students must be proficient in reading and interpreting basic blueprints and following work procedure specifications (WPS).*		
Course One	480501	Cutting Processes and Lab
Course Two	480521	Shielded Metal Arc Welding (SMAW)
Course Three	480522	Gas Metal Arc Welding (GMAW)
Course Four	480525	Gas Tungsten Arc Welding (GTAW)
Optional Course	480547	Welding Co-Op** *[Must meet GPA, Attendance, and Behavior Guidelines; Must be enrolled in Gas Metal Arc Welding during same year]*
Certification for Pathway: Kentucky Department of Transportation 3-G **OR** AWS—Sense Certification (Level 1) **OR** 2-F (AWS) Qualification Certification		

480501—Cutting Processes and Lab A
Grade Level: 10-12
Credit: .5
Course Description: This course will provide knowledge of various cutting processes used in the welding industry as well as safety, theory of operation, setup and operating techniques, troubleshooting and making minor equipment repairs. Also discussed will be identification, evaluation, repair and prevention of discontinuities of cut surfaces. Oxy-fuel, plasma arc, exothermic, air carbon arc, shielded metal arc and mechanical cutting processes are introduced. Using hands-on learning experiences, the student has practical experiences to become proficient in the use of various metal cutting processes. Safety, setup, and operating techniques are employed. Students will troubleshoot and make repairs to equipment as well as identify and repair cut surface discontinuities.

480501—Cutting Processes and Lab B
Grade Level: 10-12
Credit: .5
Course Description: This course will provide knowledge of various cutting processes used in the welding industry as well as safety, theory of operation, setup and operating techniques, troubleshooting and making minor equipment repairs. Also discussed will be identification, evaluation, repair and prevention of discontinuities of cut surfaces. Oxy-fuel, plasma arc, exothermic, air carbon arc, shielded metal arc and mechanical cutting processes are introduced. Using hands-on learning experiences, the student has practical experiences to become proficient in the use of various metal cutting processes. Safety, setup, and operating techniques are employed. Students will troubleshoot and make repairs to equipment as well as identify and repair cut surface discontinuities.

More Welding course offerings continued on the next page.

480521—Shielded Metal Arc Welding A
Grade Level: 11-12
Credit: .5
Course Description: This course teaches students the identification, inspection and maintenance of SMAW electrodes, principles of SMAW; the effects of variables on the SMAW process to weld plate and pipe and metallurgy while providing course provides laboratory experiences in which the student acquires the manipulative skills to perform filet welds in all positions.

480521—Shielded Metal Arc Welding B
Grade Level: 11-12
Credit: .5
Course Description: This course teaches students the identification, inspection and maintenance of SMAW electrodes, principles of SMAW; the effects of variables on the SMAW process to weld plate and pipe and metallurgy while providing course provides laboratory experiences in which the student acquires the manipulative skills to perform filet welds in all positions.

480522—Gas Metal Arc Welding A
Grade Level: 11-12
Credit: .5
Course Description: This course covers identification, inspection, and maintenance of GMAW machines; identification selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the GMAW process. Theory and applications of related processes such as FCAW and SAW and metallurgy are also included. Students learn the practical application and manipulative skills of Gas Metal Arc Welding and the proper safety situations needed in this process. Both ferrous and non-ferrous metals will be covered, as well as various joint designs on plate in all positions.

480522—Gas Metal Arc Welding B
Grade Level: 11-12
Credit: .5
Course Description: This course covers identification, inspection, and maintenance of GMAW machines; identification selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the GMAW process. Theory and applications of related processes such as FCAW and SAW and metallurgy are also included. Students learn the practical application and manipulative skills of Gas Metal Arc Welding and the proper safety situations needed in this process. Both ferrous and non-ferrous metals will be covered, as well as various joint designs on plate in all positions.

480525—Gas Tungsten Arc Welding A
Grade Level: 12
Credit: .5
Course Description: This course provides instruction in identification, inspection, maintenance of GTAW machines and the selection/storage of GTAW electrodes. The course will teach students the effects of variables on the GTAW process and metallurgy. Also included will be the theory and application of plasma arc cutting. Hands-on activities will teach the necessary manipulative skills needed to apply the gas tungsten arc on various joint designs on plates with both ferrous and non-ferrous metals. Plasma arc cutting is included.

480525—Gas Tungsten Arc Welding B
Grade Level: 12
Credit: .5
Course Description: This course provides instruction in identification, inspection, maintenance of GTAW machines and the selection/storage of GTAW electrodes. The course will teach students the effects of variables on the GTAW process and metallurgy. Also included will be the theory and application of plasma arc cutting. Hands-on activities will teach the necessary manipulative skills needed to apply the gas tungsten arc on various joint designs on plates with both ferrous and non-ferrous metals. Plasma arc cutting is included.

480547—Co-Op (Welding) A
Grade Level: 12
Credits: .5
Course Description: Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

480547—Co-Op (Welding) B
Grade Level: 12
Credits: .5
Course Description: Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

MEDIA ARTS PATHWAY OFFERINGS

Outlined in the table below are all pathways for students interested in a future in Media Arts. This pathway should follow a proper course sequence. Upon completion of three credit courses students will be able to sit for the appropriate KOSSA certification. Additional industry certifications will be offered as well. ***Courses may be taken out of the approved pathway as additional elective options with teacher permission ONLY.***

Potential Dual Credit Opportunities Taught at HHS with HHS teachers within this program.

MEDIA ARTS PATHWAYS

Graphic Design Pathway: *This career pathway prepares students to apply Media Arts skills that focus on the general principles and techniques for effectively communicating ideas and information, and packaging products, in digital and other formats to business and consumer audiences, and that may prepare individuals in any of the applied art media, including: aesthetic meaning, appreciation and analysis; construction, development, processing, modeling, simulation and programming of interactive experiences; their transmission, distribution and marketing, as well as contextual, cultural and historical aspects and considerations.*

Course One	480901	Introduction to Media Arts / IMD 115
Course Two	480920	Two-Dimensional Media / IMD 126
Course Three	480921	Digital Imaging / IMD 127
Course Four	480922	Advanced Production Design / IMD 226
Optional Course	480950	Media Arts Co-Op** *[Must meet GPA, Attendance, and Behavior Guidelines; Must be enrolled in Advanced Production Design during same year]*

Certifications for Pathway: Graphic Design EOP Exam **OR** Adobe Certified Associate—InDesign **AND** Adobe Certified Associate—Illustrator

480901—Introduction to Media Arts A (IMD 115)
Grade Level: 10-12
Credits: .5
Course Description: This course provides an introduction to and survey of the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations. **This course is eligible for dual credit opportunity if the student meets qualifications.**

480901—Introduction to Media Arts B (IMD 115)
Grade Level: 10-12
Credits: .5
Course Description: This course provides an introduction to and survey of the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations. **This course is eligible for dual credit opportunity if the student meets qualifications.**

Media Arts course offerings and descriptions begin on the next page.

480920—Two-Dimensional Media Design A (IMD 126)
Grade Level: 11-12
Credits: .5
Course Description: A proficient study and production of creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Students use a computer as an electronic drawing tool to solve visual communications and illustration problems in designing products. This course entails the use of current software for two-dimensional illustration, creating and integrating text, using color, and importing and exporting files, including Vector and Raster Images. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations. **This course is eligible for dual credit opportunity if the student meets qualifications.**

480920—Two-Dimensional Media Design B (IMD 126)
Grade Level: 11-12
Credits: .5
Course Description: A proficient study and production of creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Students use a computer as an electronic drawing tool to solve visual communications and illustration problems in designing products. This course entails the use of current software for two-dimensional illustration, creating and integrating text, using color, and importing and exporting files, including Vector and Raster Images. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations. **This course is eligible for dual credit opportunity if the student meets qualifications.**

480921—Digital Imaging A (IMD 127)
Grade Level: 11-12
Credits: .5
Course Description: This course provides an accomplished study and production of creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Students use a computer as an electronic drawing tool to solve visual communications and illustration problems in designing authentic products. This course entails an accomplished use of current software for two-dimensional illustration, creating and integrating text, using color, and importing and exporting files. Typical course topics include: aesthetic meaning and analysis of computer generated works; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations. **This course is eligible for dual credit opportunity if the student meets qualifications.**

480921—Digital Imaging B (IMD 127)
Grade Level: 11-12
Credits: .5
Course Description: This course provides an accomplished study and production of creative and conceptual aspects of designing and producing digital imagery, graphics and photography, including techniques, genres and styles from fine arts and commercial advertising, internet and multimedia, web design, industrial and virtual design. Students use a computer as an electronic drawing tool to solve visual communications and illustration problems in designing authentic products. This course entails an accomplished use of current software for two-dimensional illustration, creating and integrating text, using color, and importing and exporting files. Typical course topics include: aesthetic meaning and analysis of computer generated works; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations. **This course is eligible for dual credit opportunity if the student meets qualifications.**

Media Arts course offerings and descriptions begin on the next page.

480922—Advanced Production Design A (IMD 226)
Grade Level: 12
Credits: .5
Course Description: Advanced Production Design emphasizes an advanced and independent use of compositional theory, elements and principles of design, techniques and creative processes for effectively performing the function of persuasion and information through use of materials and media to create visual effects to produce original authentic works. Students will demonstrate an advanced level of creative expression to a variety of authentic design products (e.g. various print mediums such as magazines, newspapers, billboards, fictional and informational texts, product wrappers, displays, etc.) through a purposeful arrangement of images and/or text and develop a strategic product presentation both independently and as a collaborative team. The course focuses on advanced computer generated designs as well as the use of various software and hardware; with an emphasis on students creating, producing, responding and connecting on/in visual art and new media. An in-depth independent student of career opportunities in media art is performed. Contemporary, cultural, and historical design may be studied. **This course is eligible for dual credit opportunity if the student meets qualifications.**

480922—Advanced Production Design B (IMD 226)
Grade Level: 12
Credits: .5
Course Description: Advanced Production Design emphasizes an advanced and independent use of compositional theory, elements and principles of design, techniques and creative processes for effectively performing the function of persuasion and information through use of materials and media to create visual effects to produce original authentic works. Students will demonstrate an advanced level of creative expression to a variety of authentic design products (e.g. various print mediums such as magazines, newspapers, billboards, fictional and informational texts, product wrappers, displays, etc.) through a purposeful arrangement of images and/or text and develop a strategic product presentation both independently and as a collaborative team. The course focuses on advanced computer generated designs as well as the use of various software and hardware; with an emphasis on students creating, producing, responding and connecting on/in visual art and new media. An in-depth independent student of career opportunities in media art is performed. Contemporary, cultural, and historical design may be studied. **This course is eligible for dual credit opportunity if the student meets qualifications.**

480950—Co-Op (Media Arts) A
Grade Level: 12
Credits: .5
Course Description: Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

480950—Co-Op (Media Arts) B
Grade Level: 12
Credits: .5
Course Description: Co-op provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Co-op Education program receive compensation for their work.

500611 Photography A
Grade 10-12
Credits: .5
Course Description: This course engages students in learning opportunities for applying photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the elements of art and principles of design. Students learn to make meaningful visual statements with emphasis on personal creative expression to communicate ideas, feelings, or values. The history of photography, historic movements, image manipulation, critical analysis, and some creative special effects may also be included. Students will engage in critiques of their images, the works of other students, and those by professional photographers.

500611 Photography B
Grade 10-12
Credits: .5
Course Description: This course engages students in learning opportunities for applying photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the elements of art and principles of design. Students learn to make meaningful visual statements with emphasis on personal creative expression to communicate ideas, feelings, or values. The history of photography, historic movements, image manipulation, critical analysis, and some creative special effects may also be included. Students will engage in critiques of their images, the works of other students, and those by professional photographers.

LEADERSHIP EDUCATION (MCJROTC) PATHWAY OFFERINGS *Outlined in the table below are all pathways for students interested in a future in Marine Corps Junior Reserve Officer Training Corps. This pathway should follow a proper course sequence. Upon completion of three credit courses students will be able to sit for ASVAB Test.*

LEADERSHIP EDUCATION (MCJROTC) PATHWAYS		
MCJROTC Pathway: *A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.*		
Course One	580320	Marine Corps JROTC 1
Course Two	580321	Marine Corps JROTC 2
Course Three	580322	Marine Corps JROTC 3
Course Four	580323	Marine Corps JROTC 4
Certifications for Pathway: JROTC Certificate of Training (3 or 4 Year)		

580320—Marines JROTC 1 A
Grade Level: 9-12
Credit: .5
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

580320—Marines JROTC 1 B
Grade Level: 9-12
Credit: .5
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

580321—Marines JROTC 2 A
Grade Level: 10-12
Credit: .5
Prerequisite: Level 1
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

580321—Marines JROTC 2 B
Grade Level: 10-12
Credit: .5
Prerequisite: Level 1
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

More Leadership/MCJROTC course offerings continued on the next page.

580322—Marines JROTC 3 A
Grade Level: 11-12
Credit: .5
Prerequisite: Level 2
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

580322—Marines JROTC 3 B
Grade Level: 11-12
Credit: .5
Prerequisite: Level 2
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

580323—Marines JROTC 4 A
Grade Level: 12
Credit: .5
Prerequisite: Level 3
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

580323—Marines JROTC 4 B
Grade Level: 12
Credit: .5
Prerequisite: Level 3
Course Description: A program that introduces students to the theory and practice of naval science, life in the U.S. Marines Corps, and prepares them for cadet status (Junior ROTC or JROTC) or for service as commissioned reserve or active duty officers (senior NRTOC or ROTC). Programs are offered as adjuncts to regular high school or college instructional programs.

EDUCATION AND TRAINING PATHWAY OFFERINGS

Outlined in the table below are all pathways for students interested in a future in Education. This pathway should follow a proper course sequence. Upon completion of three credit courses students will be able to sit for the appropriate industry certification. Additional industry certifications will be offered as well.

Potential Dual Credit Opportunities Taught at HHS with HHS teachers within this program.

EDUCATION AND TRAINING PATHWAYS		
Teaching and Learning Pathway: *This pathway focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education.*		
Course One	331030	The Learning Community
Course Two	331031	The Learner-Centered Classroom
Course Three	331032	Professional Educator
Course Four	331033	Collaborative Clinical Experience
Certifications for Pathway: AAFCS Pre-PAC Education Fundamentals		

331030–The Learning Community
Grade Level: 11-12
Credit: 1
Prerequisite: unweighted GPA of 3.0
Course Description: In this course, The Learning Community, students develop an understanding of the various responsibilities and systems involved in the K-12 educational system. Specifically, students will acquire the knowledge of education through the perspectives of classroom, school, district, state, and federal roles.

331031–The Learner-Centered Classroom
Grade Level: 11-12
Credit: 1
Prerequisite: The Learning Community Course, unweighted GPA of 3.0
Course Description: This course will develop rising educators' awareness of their funds of knowledge, as well as their personal biases that develop from their life experiences. Using research-based methods, rising educators will develop methods to impact student equity based on culturally competent models as well as growth mindset methods.

331032–The Professional Educator
Grade Level: 12
Credit: 1
Prerequisite: The Learning Community and The Learner-Centered Classroom Courses, unweighted GPA of 3.0
Course Description: In this course, The Professional Educator, students will develop an understanding of how educators advance their profession within the classroom. Specifically, students will gain both the knowledge and skills to plan, deliver, and reflect on the process of teaching and learning.

331033–Collaborative Clinical Experience
Grade Level: 12
Credit: 1
Prerequisite: The Learning Community, The Learner-Centered Classroom, and The Professional Educator Courses, unweighted GPA of 3.0
Course Description: In this course, students will refine the required knowledge and skills to be an effective educator while also practicing the dispositions necessary for the educational profession. Specifically, students will gain an understanding of how teachers lead through individual and collaborative growth and reflection. Students participate in clinical experiences. This is a student teaching experience where students should spend almost all their time in a classroom learning setting appropriate to their intended teaching discipline.