**Course Catalog 2016-2017**

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<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>English Composition</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9</td>
</tr>
</tbody>
</table>

This course is designed to teach students to effectively write informative and persuasive pieces. Students will learn the writing process and take multiple pieces of writing through drafting, revision, and editing. Emphasis will be placed on the ability to write with focus and attention to the audience. Students will be taught to use appropriate organizational strategies, precise language, and a variety of sentence structures. The course will teach students to use appropriate grammar, mechanics, punctuation, spelling, and sentence formation. The course will include readings, writing assignments, discussion boards, lectures through webcasts (Elluminate sessions), research, WebQuests, group work, presentations, and unit exams. This course will prepare students to take the Keystone Composition Exam. (A Credit Recovery version of this course is also available as needed.)

*Course Materials:*  
*To Kill A Mockingbird by Harper Lee, TBD*

| English         | English Composition Honors            | Original Credit | 1       | Full Year     | Full Year         | HS           | 9                |

This accelerated course introduces students to elements of literature from various genres at an advanced pace. Rigorous writing techniques and research skills are required. Students will explore many aspects of literature: fiction, nonfiction, poetry, media, art, drama, the novel, and speech. Literary elements such as plot, setting, character, irony, allegory and symbolism will be taught and connections will be made to course texts. The course will include readings, discussion boards, webcasts, research, webquests, group work, presentations, and unit exams.  
Plus: *The Other Wes Moore and Mockingbird-A Portrait of Harper Lee*  
*Prerequisites:*  
A grade of B or better in previous English course  

*Course Materials:*  
*To Kill A Mockingbird by Harper Lee, TBD, The Other Wes Moore, Mockingbird-A Portrait of Harper Lee*

| English         | English Literature                   | Original Credit | 1       | Full Year     | Full Year         | HS           | 10               |

This course helps students build literary, reading, writing, vocabulary, and listening skills. Students will also learn writing techniques, research skills, and proper grammar usage rules. Building on skills from English Composition, the class explores many aspects of plot and setting, character, narrator and voice, comparing themes, irony and ambiguity, symbolism and allegory, poetry, and drama. The course includes readings, discussion boards, webcasts, research, webquests, group work, presentations, and unit exams.  
(A Credit Recovery version of this course is also available as needed.)

*Prerequisites:*  
Passing grade in English Composition or equivalent course  

*Course Materials:*  
*Pride and Prejudice, Macbeth (The Shakespeare Parallel Text Series), The Devil in the White City*
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<th>Category</th>
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<tbody>
<tr>
<td>English</td>
<td>English Literature Honors</td>
<td></td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
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<td>English</td>
<td>American Literature</td>
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<td>Original Credit</td>
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<td>Full Year</td>
<td>Full Year</td>
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<tr>
<td>English</td>
<td>American Literature Honors</td>
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<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
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<tr>
<td>English</td>
<td>AP English Literature &amp; Composition</td>
<td>1.00</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
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</table>

This accelerated course helps students build literary, reading, writing, vocabulary, and listening skills. Rigorous writing techniques, research skills, and proper grammar usage rules are required. Building on skills from English Composition, the course explores many aspects of plot and setting, character, narrator and voice, comparing themes, irony and ambiguity, symbolism and allegory, poetry, and drama. The course includes readings, discussion boards, webcasts, research, webquests, group work, presentations, and unit exams.  
Plus: My Stroke of Insight

Prerequisites: A grade of B or better in English Composition or equivalent course  

**Course Materials:**  
*Pride and Prejudice, Devil in the White City, Macbeth (The Shakespeare Parallel Text Series)*

This course includes works of American literature with the purpose of familiarizing students with major authors and movements of American literature, from the pre-colonial times to the present. Students will also learn writing techniques, research skills, and proper grammar usage rules. Students will explore many aspects of American literature: fiction, nonfiction, poetry, media, art, drama, the novel and speech. The course includes readings, discussion boards, webcasts, research, webquests, group work, and presentations. (A Credit Recovery version of this course is also available as needed.)  
Prerequisites: Passing grade in English Literature or equivalent course  

**Course Materials:**  
*Beloved, The Adventures of Huckleberry Finn, This Boy’s Life, The Great Gatsby, A Streetcar Named Desire*

This rigorous course includes works of American literature with the purpose of familiarizing students with major authors and movements of American literature, from the pre-colonial times to the present. Students will also learn writing techniques, research skills, and proper grammar usage rules. Students will explore many aspects of American literature: fiction, nonfiction, poetry, media, art, drama, the novel and speech. The course includes readings, in-depth novel studies, extensive project work, discussion boards, webcasts,  

Additional Honors Novels: Catcher in the Rye by J.D. Salinger and The Things They Carried by Tim O’Brien  
Prerequisites: A grade of B or better in English Literature or equivalent course  

**Course Materials:**  
*Beloved, The Adventures of Huckleberry Finn, This Boy’s Life, The Great Gatsby, A Streetcar Named Desire*

This advanced literature course will engage students in careful reading and analysis of a challenging set of literary works from a range of genres including the novel, short story, poetry, nonfiction, and drama. The focus of the course will be on intensive reading and discussion of the literature, as well as critique and evaluation of secondary critical essays. Emphasis will be placed on thoughtful and compelling analysis of the readings using a variety of theoretical frameworks and devices. The course is intended to provide students with an academic experience parallel to that of a college level literature course.  
Prerequisites: Course placement requires English teacher recommendation.  

**Course Materials:**  
*Norton Introduction to Literature, King Lear, The Immortal Life of Henrietta Lacks, Invisible Man, Light in August, A Thousand Splendid Suns,*
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<tbody>
<tr>
<td>English</td>
<td>Business Communications</td>
<td>Full Year</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>11, 12</td>
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<td></td>
<td>This course is designed to familiarize students with the many types of written and verbal communications that students will encounter in the business world. Students will also learn writing techniques, research skills, and proper grammar usage. Students will explore many aspects of business communications - business writing, technical documentation, advertising, resumes, verbal communication skills, interviewing, and much more. The course includes readings, blogs, webcasts, research, webquests, group work, and presentations. (A Credit Recovery version of this course is also available as needed.)</td>
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<td>Prerequisites: Passing grade in English Composition</td>
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<td></td>
<td>Course Materials: Who Moved My Cheese?</td>
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<tr>
<td>English</td>
<td>Creative Writing</td>
<td>Full Year</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>11, 12</td>
</tr>
<tr>
<td></td>
<td>This course will teach students the major components of the creative writing process by learning writing techniques, peer editing, and self-editing. The primary focus of the course will be on creating and completing various types of creative pieces, culminating with the completion of a “final” piece as designed by the student. Students will explore many aspects of creative writing through blogs, writing activities, and assignments geared towards helping students unlock his or her natural creativity. The course will also include readings, discussion boards, writing, webcasts, webquests and peer editing.</td>
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<tr>
<td>English</td>
<td>Elements of Language</td>
<td>Full Year</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>11, 12</td>
</tr>
<tr>
<td></td>
<td>This course is designed to support students in building foundational reading and writing skills. The aim of this course is to prepare students to meet the demands of post-secondary literacy and communication. Students in this course will write for a variety of purposes, from personal narratives to inquiry and analysis essays. Students in this course will develop a deep understanding of their individual reading and comprehension process. They will develop strategies and skills to improve reading comprehension and fluency. Students will read and analyze texts including short stories, novels, essays, nonfiction articles, poetry, and literary nonfiction. (A Credit Recovery version of this course is also available as needed.)</td>
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<tr>
<td>English</td>
<td>British &amp; World Literature</td>
<td>Full Year</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>12</td>
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<td></td>
<td>This course includes works of British and World literature with the purpose of familiarizing students with major authors and movements of British and World literature, from the beginnings of written language to the present. Students will learn writing techniques, research skills, and proper grammar usage rules. Students will explore many aspects of British literature – fiction, nonfiction, poetry, media, art, drama, the novel, and speech. The course will include readings, discussion boards, webcasts, research, webquests, group work, presentations, and unit exams. (A Credit Recovery version of this course is also available as needed.)</td>
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<td></td>
<td>Prerequisites: Passing grade in American Literature or equivalent course</td>
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<tr>
<td></td>
<td>Course Materials: Elements of Literature 6th Course, Frankenstein-1818 Text</td>
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</thead>
<tbody>
<tr>
<td>English</td>
<td>British &amp; World Literature Honors</td>
<td>Original Credit 1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>12</td>
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</tbody>
</table>

This rigorous course includes works of British and World literature with the purpose of familiarizing students with major authors and movements of British and World literature, from the beginnings of written language to the present. Students will learn writing techniques, research skills, and proper grammar usage rules. Students will explore many aspects of British literature – fiction, nonfiction, poetry, media, art, drama, the novel, and speech. The course includes readings, in-depth novel studies, extensive project work, discussion boards, webcasts, research, webquests, group work, and presentations. Plus: The Iliad or Hamlet, Great Expectations or Jane Austen.

Prerequisites: A grade of B or better in American Literature or equivalent course

Course Materials: Elements of Literature 6th Course, Frankenstein-1818 Text, 1776 by David McCullough, see course description

<table>
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<tr>
<th>Mathematics</th>
<th>Algebra Concepts</th>
<th>Original Credit 1</th>
<th>Full Year</th>
<th>Full Year</th>
<th>HS</th>
<th>9-10</th>
</tr>
</thead>
</table>

The purpose of this course is to extend students’ knowledge of Pre-Algebra and to prepare students for Algebra 1. This course will review the basics of real numbers and problem solving. It will include algebraic topics such as: data displays, probability, exponents, polynomials, equation solving, inequalities, functions, slope, equations of lines, patterns, and scatter plots. This course will include practice, quizzes, tests, and projects, as well as reading, research, writing, speaking, and discussion forums. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Passing grade in Pre-Algebra

Course Materials: Ti 84 Calculator

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Algebra I</th>
<th>Original Credit 1</th>
<th>Full Year</th>
<th>Full Year</th>
<th>HS</th>
<th>9-10</th>
</tr>
</thead>
</table>

In this course, emphasis will be placed on operations, linear equations, linear inequalities, linear functions, and data organization. Students will be asked to work with operations, real numbers and expressions, to write and solve linear equations and linear inequalities, to analyze and interpret functions, describe and compute slope, to analyze and interpret a scatter plot, and to use data displays in problem solving situations. Activities will include webcasts, webquests, practice activities, scheduled group work and unit exams. This course will prepare students to take the Keystone Algebra I Exam. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Successful completion of Pre-Algebra or equivalent course

Course Materials: Ti 84 Calculator
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<th>Course Level</th>
<th>Suggested Grades</th>
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</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>Algebra I Honors</td>
<td>Original Credit 1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9-10</td>
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</tr>
</tbody>
</table>

In this accelerated course, emphasis will be placed on operations, linear equations, linear inequalities, linear functions, and data organization at an advanced pace. Students will be asked to work with operations, real numbers and expressions, to write and solve linear equations and linear inequalities, to analyze and interpret functions, describe and compute slope, to analyze and interpret a scatter plot, and to use data displays in problem solving situations. Activities will include webcasts, webquests, practice activities, scheduled group work and unit exams. This course will prepare students to take the Keystone Algebra I Exam.

**Prerequisites:** A grade of B or better in Pre-Algebra

**Course Materials:** TI 84 Calculator

| Mathematics   | Algebra II                 | Original Credit 1 | Full Year | Full Year | HS                | 9-11         |

The purpose of this course is to extend students’ knowledge of Algebra 1 and Geometry as they apply variables, equations, and functions to more in-depth problem solving situations. This course will delve into various algebraic topics including: formulas, variation, factoring, imaginary numbers, quadratics, polynomial functions and equations, radical expressions, rational exponents, exponential and logarithmic functions, logarithmic properties and equations, scatter plots, patterns, sequences, probability, and counting theory. This course will include practice, quizzes, tests, and projects as well as reading, research, writing, speaking, discussion forums, and SAT preparation. (A Credit Recovery version of this course is also available as needed.)

**Prerequisites:** Passing grade in Algebra I

**Course Materials:** TI 84 Calculator

| Mathematics   | Algebra II Honors          | Original Credit 1 | Full Year | Full Year | HS                | 9-11         |

The purpose of this course is to extend students' knowledge of Algebra 1 and Geometry as they apply variables, equations, and functions to more in-depth problem solving situations. This course will delve into various algebraic topics including: formulas, variation, factoring, imaginary numbers, quadratics, polynomial functions and equations, radical expressions, rational exponents, exponential and logarithmic functions, logarithmic properties and equations, scatter plots, patterns, sequences, probability, and counting theory. This course will include practice, quizzes, tests, and projects as well as reading, research, writing, speaking, discussion forums, and SAT preparation. The honors version of this course includes enrichment in absolute value equations and graphs, matrices, radical functions, and trigonometry.

**Prerequisites:** A grade of B or better in Algebra I

**Course Materials:** TI 84 Calculator

| Mathematics   | Geometry                   | Original Credit 1 | Full Year | Full Year | HS                | 9, 10       |

Students will build upon basic geometry skills by extending ideas about the properties of lines and polygons. Review of the properties of triangles and other skills from Algebra I will show relationships between parts of geometric figures and solving for unknowns. Geometrical proofs and inductive reasoning will be covered. Throughout the course, students will apply the math they learn to real-world situations. This course includes lecture through webcasts, three webquests, small scheduled group work, a midterm exam, and a final exam. (A Credit Recovery version of this course is also available as needed.)

**Prerequisites:** Passing grade in Algebra I

**Course Materials:** TI 84 Calculator
<table>
<thead>
<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
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</tr>
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<tbody>
<tr>
<td>Mathematics</td>
<td>Geometry Honors</td>
<td></td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9, 10</td>
</tr>
</tbody>
</table>

Students will build upon basic geometry skills by extending ideas about the properties of lines and polygons. This course is an advanced extension of Geometry offered at an accelerated pace, with in depth investigations of concepts presented. Review of the properties of triangles and other skills from Algebra I will show relationships between parts of geometric figures and solving for unknowns. Geometrical proofs and inductive reasoning will be covered. Throughout the course, students will apply the math they learn to real-world situations. This course includes lecture through webcasts, three webquests, small scheduled group work, a midterm exam, and a final exam.

Prerequisites: A grade of B or better in Algebra I
Course Materials: TI 84 Calculator

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Introduction to Accounting</th>
<th>Original Credit</th>
<th>.5</th>
<th>Half Year</th>
<th>Semester 1 and 2</th>
<th>HS</th>
<th>10-12</th>
</tr>
</thead>
</table>

This course is an introduction to accounting for the junior or senior high school student. The following concepts will be explored: the accounting equation, financial statements including the balance sheet, the income statement, the owner’s equity statement, analysis and recording of business transactions. The accounting cycle from recording business transactions into a journal through preparing the post closing trial balance will also be taught. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Passing grades in Algebra I and Geometry
Course Materials: Accounting: Practical Approach, TI 84 Calculator

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Introduction to Statistics</th>
<th>Original Credit</th>
<th>.5</th>
<th>Half Year</th>
<th>Semester 1 and 2</th>
<th>HS</th>
<th>10-12</th>
</tr>
</thead>
</table>

This course is designed as an introduction to statistics for the junior or senior high school student. In this course, students will build upon algebra skills by working with frequency and probability distributions and applying them to real-world situations involving samples and populations. Students will be able to make inferences about these situations through the statistics that they will learn. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Passing grade in Algebra I and Geometry
Course Materials: Elementary Statistics, TI 84 Calculator

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Algebra III/Trigonometry</th>
<th>Original Credit</th>
<th>1.00</th>
<th>Full Year</th>
<th>Full Year</th>
<th>HS</th>
<th>11, 12</th>
</tr>
</thead>
</table>

This course covers quadratics, conics, polynomials, functions, logarithms, factorizations and substitutions, systems of equations, sequences and series, factoring methods, inequalities and functional equations. This course builds on much of the curriculum of Algebra II and is a natural pairing with the Trigonometry course since trigonometric topics are not covered. It also includes many challenging aspects of algebraic problem solving that are not presented in Algebra II. Trigonometry is the study of the dynamic relationship between angles, circles, and motion. In this course, students will review concepts, including trigonometric ratios in triangles on the coordinate plane and in real world applications, and will expand their skills to graphing circular functions, solving novel equations, and proving trigonometric identities. Students will be assessed through a variety of methods including in-depth projects and explorations. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Successful completion of Algebra I, Geometry and Algebra II required.
Course Materials: Trigonometry
This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Calculus Exam and further studies in science, engineering, and mathematics. AP Calculus AB requires use of a graphing calculator.

Prerequisites: Successful completion of Pre-Calculus. Only available to returning students. Third Party Courses require approval from Guidance.

This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integrals, and infinite series. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Calculus Exam and further studies in science, engineering, and mathematics. AP Calculus BC requires use of a graphing calculator.

Prerequisites: Successful completion of Pre-Calculus. Only available to returning students. Third Party Courses require approval from Guidance.

AP Statistics data analysis is dependent on the use of technology. Students should have access to computers that include software capable of doing data analysis. Students will be required to interpret output generated by statistical software programs. Students are not expected to learn how to use various statistical programs. In addition, one of the following Texas Instruments calculators is required, TI-83, TI-83+, TI-84, TI-84+, or a TI 89. The TI-83+ is the most popular calculator for AP Statistics. In most cases the calculator is sufficient but the fundamental tool of data analysis is the computer.

Prerequisites: Two years of high school Algebra. Only available to returning students. Third Party Courses require approval from Guidance.

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

Prerequisites: Successful completion of Pre-Calculus. Only available to returning students. Third Party Courses require approval from Guidance.
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<tr>
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<th>Course Name</th>
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<th>Course Level</th>
<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>Consumer Math</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>11-12</td>
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</table>

This course is a comprehensive review of arithmetic skills that apply to personal and business opportunities. Topics include whole numbers, fractions, percentages, basic statistics, and graphs. Practical applications in finance, taxes, budgeting, banking, and home ownership are included. Examples of wages, income deductions, insurance, checking and saving accounts, credit, housing expenses, auto expenses, recreational spending, and the cost of transportation are studied. By the course conclusion students will be able to: compute regular, overtime and piecework wages; compute taxes from tables, write a check, deposit slips, and withdrawal slips; reconcile a bank statement, budget for fixed and variable expenses, and compute finance charges and loan payments. (A Credit Recovery version of this course is also available as needed.)

**Prerequisites:**
- Passing grade in Algebra I & II and Geometry. Recommended only for students who earned a B or above in Algebra II.

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Pre-Calculus</th>
<th>Original Credit</th>
<th>1</th>
<th>Full Year</th>
<th>Full Year</th>
<th>HS</th>
<th>11, 12</th>
</tr>
</thead>
</table>

The purpose of this course is to prepare students for the study of Calculus. The major areas of study include: analyzing functions including power, polynomial, rational, exponential, and logarithmic functions; logarithmic properties and equations; right triangle trigonometry; trigonometric functions and graphs; trigonometric identities and equations; systems of equations and matrices; conic sections; parametric equations; vectors; polar coordinates; and sequences and series. This course will include vocabulary checks, practice, quizzes, tests, and projects as well as reading, research, writing, speaking, and discussion forums. (A Credit Recovery version of this course is also available as needed.)

**Prerequisites:**
- A grade of B or better in Algebra I, Geometry and Algebra II.
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<tr>
<th>Category</th>
<th>Course Name</th>
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<tr>
<td>Mathematics</td>
<td>Integrated Math</td>
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<td></td>
<td>Full Year</td>
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<td>HS</td>
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</table>

This course is designed to be a review of basic algebra, geometry, and advanced algebra topics. The goal of the course is to improve students' proficiency in topics including numbers and operations, measurement, geometry, algebraic concepts, and data analysis and probability. Students will have the opportunity to strengthen their skills in each of the topic areas. Course work includes lesson units, projects, and web-based assignments that use real-world situations that require math and basic problem-solving techniques. (A Credit Recovery version of this course is also available as needed.)

Course Materials: TI 84 Calculator

<table>
<thead>
<tr>
<th>Science</th>
<th>Biology</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
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<td>HS</td>
<td>9-11</td>
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</table>

This course reinforces the Biological Science Standards created by the Pennsylvania Department of Education. This course includes a survey of biology, botany, zoology, cellular physiology, microbiology, and genetics. Several extensive labs demonstrate first-hand the concepts being taught in this class. At the conclusion of this course students should be able to: explain the structural and functional similarities and differences found among living things, explain the chemical and structural basis of living organisms, describe how genetic information is inherited and expressed, and explain the mechanisms of the theory of evolution. Activities will include webcasts, webquests, and small group work. (A Credit Recovery version of this course is also available as needed.)

Course Materials: The Uglies, Jurassic Park

<table>
<thead>
<tr>
<th>Science</th>
<th>Earth and Space Science</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
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<td>HS</td>
<td>9-11</td>
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</table>

This course is designed to help students develop an understanding of the Earth, its features and processes, resources, weather, and water resources. Earth Science will use visualizations showing animations, simulations, satellite images, and other interactive graphs with explanatory text, enabling students to see the processes of Earth Science at work. This course focuses on the physical features and properties of the earth and the universe, and their relationship to earth’s living things and society. Students will be required to apply basic concepts learned in previous science courses to the study of the earth. The course includes readings, discussion boards, webcasts, research, webquests, presentations, and unit exams. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Earth Science, Google Earth
This accelerated course is designed to help students develop an understanding of the Earth, its features and processes, resources, weather, and water resources. Earth Science will use visualizations showing animations, simulations, satellite images, and other interactive graphs with explanatory text, enabling students to see the processes of Earth Science at work. This course focuses on the physical features and properties of the earth and the universe, and their relationship to earth’s living things and society. Students will be required to apply concepts from previous science courses for this in-depth study of the earth. The course includes readings, discussion boards, webcasts, research, webquests, presentations, and unit exams.

Prerequisites: A grade of B or better in previous Science course

Course Materials: Earth Science, Google Earth

This course stresses basic concepts and logical methods of chemistry, physics and ecology as they apply to daily life. Upon completion of this course, students will be able to: explain fundamental scientific principles, distinguish kinds and phases of matter, classify matter, recognize the role of atomic structure in chemical bonding, reactivity, and radioactivity, state the difference between forms and kinds of energy, describe the electromagnetic nature of matter, be able to explain life processes and adaptations, and use the concept of force and motion to solve real world problems. This course will include webcasts, webquests, research, written assignments, a midterm exam, and a final exam. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Physical Science Kit

This course builds upon scientific concepts presented in general science and biology courses. Students will explore the theories behind the foundations of chemistry and apply critical thinking skills to solve real-life chemistry problems. Topics include, but are not limited, to the scientific method, atomic theory, the periodic table, types of chemical bonding, chemical nomenclature, the mole, stoichiometry, limiting reactants, percent composition, gas laws, and solutions. Additionally reading and algebraic problem solving strategies will be emphasized in assessments throughout the course. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Passing grade in Biology

Course Materials: Chemistry-PH, Calculator TI 84, Virtual Chem Lab CD

This course builds upon scientific concepts presented in general science and biology courses. Students will explore the theories behind the foundations of chemistry and apply critical thinking skills to solve real-life chemistry problems. Topics include, but are not limited, to the scientific method, atomic theory, the periodic table, types of chemical bonding, chemical nomenclature, the mole, stoichiometry, limiting reactants, percent composition, gas laws, and solutions. Additionally reading and algebraic problem solving strategies will be emphasized in assessments throughout the course.

Prerequisites: A grade of B or better in Biology

Course Materials: Chemistry-PH, Virtual Chem Lab CD, Calculator TI 84
## Science

### Physics
- **Course Name:** Physics
- **Category:** Science
- **Length:** Full Year
- **Credits:** 1
- **Course Level:** Original Credit
- **Semesters Offered:** Full Year
- **Course Level:** HS
- **Suggested Grades:** 10-12
- **Prerequisites:** Passing grades in Biology and Chemistry

Students explore physics concepts using laboratory activities, videos, software, and websites. The purpose of this course is to provide opportunities to study the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications to the real world through exploratory investigations and activities. This course is intended for college-bound students with strong mathematical skills. Using conceptual laboratory investigations, students will focus on: energy, thermodynamics, conservation of energy, momentum, kinematics, force and motion waves, electricity and magnetism, matter, space and time, and interactions among science, technology, and society. Activities will include webcasts, lab assignments and small group work. (A Credit Recovery version of this course is also available as needed.)

**Course Materials:** Physics Principles and Problems, Calculator TI 84

### Physics Honors
- **Course Name:** Physics Honors
- **Category:** Science
- **Length:** Full Year
- **Credits:** 1
- **Course Level:** Original Credit
- **Semesters Offered:** Full Year
- **Course Level:** HS
- **Suggested Grades:** 10-12
- **Prerequisites:** A grade of B or better in Biology and Chemistry

Students explore physics concepts at an advanced pace using laboratory activities, videos, software, and web sites. The purpose of this rigorous course is to provide opportunities to study the concepts, theories, and laws governing the interaction of matter, energy, and forces, and their applications to the real world through exploratory investigations and activities. This course is intended for college-bound students with strong mathematical skills. Using conceptual laboratory investigations, students will focus on: energy, thermodynamics, conservation of energy, momentum, kinematics, force and motion waves, electricity and magnetism, matter, space and time, and interactions among science, technology, and society. Activities will include webcasts, lab assignments and small group work.

**Course Materials:** Physics Principles and Problems, Calculator TI 84

### AP Biology
- **Course Name:** AP Biology
- **Category:** Science
- **Length:** Full Year
- **Credits:** 1
- **Course Level:** Original Credit
- **Semesters Offered:** Full Year
- **Course Level:** HS
- **Suggested Grades:** 11, 12
- **Prerequisites:** General Biology and Chemistry. Only available to returning students. Third Party Courses require approval from Guidance.

AP Biology is a year-long course taught at the same level as a first year college biology class. This course adheres closely to the College Board standards for AP Biology and will prepare you to take the AP Biology Exam. The two main goals of this course are to help you develop a framework for biology and to help you gain a deeper understanding of science as a process. In this course, we will be developing higher-level thinking in terms of biology rather than just memorizing terms and facts.

### AP Environmental Science
- **Course Name:** AP Environmental Science
- **Category:** Science
- **Length:** Full Year
- **Credits:** 1
- **Course Level:** Original Credit
- **Semesters Offered:** Full Year
- **Course Level:** HS
- **Suggested Grades:** 11, 12
- **Prerequisites:** Only available to returning students. Third Party Courses require approval from Guidance.

This course is designed to acquaint you with the physical, ecological, social, and political principles of environmental science. The scientific method is used to analyze and understand the interrelationships between humans and the natural environment. The course shows how ecological realities and the material desires of humans often clash, leading to environmental degradation and pollution. The course consists of six chapters covering the following topics: Earth’s Systems, Human Population Dynamics, Natural Resources, Environmental Quality, Global Changes, and Environment and Society. Chapters are divided into several subsections, each of which contains text, animations, laboratory simulations and video presentations by experts.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.
Course Catalog 2016-2017

<table>
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<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
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<th>Suggested Grades</th>
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<tbody>
<tr>
<td>Science</td>
<td>Concepts of Environmental Science</td>
<td>Original Credit</td>
<td>1.00</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>11, 12</td>
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</table>

Students will explore key topic areas including the application of the scientific process to environmental analysis; ecology; energy flow; ecological structures; and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore current environmental issues and conduct hands-on research activities, learning that political, private and personal decisions about the environment and the use of resources require research, application of scientific processes, observation and responsible conclusions. Activities will include concept mapping, presentations, speeches and documentary analysis. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Success in previous high school science course

Course Materials: Environmental Science Your World Your Turn, Kilowatt meter/ Enviro. Science Pack

| Science        | Environmental Science                       | Original Credit | 1       | Full Year     | Full Year         | HS           | 11, 12           |

Students will explore key topic areas including the application of the scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions. Activities will include webcasts, lab assignments and small group work. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Success in previous high school science course and a teacher/school counselor recommendation

Course Materials: Environmental Science Your World Your Turn, Kilowatt meter/ Enviro. Science Pack

| Science        | Introduction to Anatomy and Physiology      | Original Credit | 1       | Full Year     | Full Year         | HS           | 11, 12           |

This class covers every major body system ranging from the skeletal system to special senses. With the complexity of the human body, each unit is covered using an outline to focus on the main topics. As students move throughout the class, they will not only learn about each body system, but how these body systems work together. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Essentials of Human Anatomy & Physiology

| Social Studies | American History II                         | Original Credit | 1       | Full Year     | Full Year         | HS           | 9-12             |

American History II begins during the period of reconstruction after the devastation left by the Civil War. From here, the course covers major wars, the roaring 1920’s, Great Depression, Civil Rights and the Nixon Administration. Students work in unison with the teacher and each other through synchronous learning tools, email, and online chats to break down and analyze the political, social, and economic facets that changed radically from one presidential term to the next. Students complete a formal webquest project for each war, which challenges them to discover the underlying cause and effect of the war, its outcomes, or alternate scenarios. There is also an extensive research assignment intended to make students an expert on one topic within American History and focus on writing skills. There are short evaluations and a comprehensive final exam. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Passing grade in American History I

Course Materials: The Americans' Reconstruction to the 21st Century, A Young People's History of the United States
American History II begins during the period of reconstruction after the devastation left by the Civil War. From here, the course covers major wars, the roaring 1920’s, Great Depression, Civil Rights and the Nixon Administration. Students work in unison with the teacher and each other through synchronous learning tools, email, and online chats to break down and analyze the political, social, and economic facets that changed radically from one presidential term to the next. Students complete a formal webquest project for each war, which challenges them to discover the underlying cause and effect of the war, its outcomes, or alternate scenarios. There are multiple research assignments in this advanced and rigorous course. There are short evaluations and a comprehensive final exam.

**Prerequisites:** A grade of B or better in American History I

**Course Materials:** The Americans’ Reconstruction to the 21st Century, A Young People’s History of the United States, The Hotel on the Corner of Bitter and Sweet

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In the World Geography course students will examine, discuss, and apply the five major themes of Geography to compare different world regions. The course begins with an investigation of the five themes of Geography—Location, Place, Movement, Human-Environment Interaction, and Region—and an overview of the main concepts of Human Geography including population trends, migration, culture, political geography, and economic geography. As the course continues, students will apply their knowledge of the five themes and concepts of Human Geography to analyze and compare the following world regions: Europe, Latin America, Sub-Saharan Africa, Southwest Asia, South Asia, and East Asia. Activities will include assignments, weekly live classes, interactive forums, and webquests. (A Credit Recovery version of this course is also available as needed.)

**Course Materials:** Geography: The Human and Physical World
Course Catalog 2016-2017

Social Studies  World Geography Honors

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Studies</td>
<td>World Geography Honors</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9-12</td>
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</table>

In the Honors World Geography course students will examine, discuss, and apply the five major themes of Geography to compare different world regions. The course begins with an investigation of the five themes of Geography—Location, Place, Movement, Human-Environment Interaction, and Region—and an overview of the main concepts of Human Geography including population trends, migration, culture, political geography, and economic geography. As the course continues, students will apply their knowledge of the five themes and concepts of Human Geography to analyze and compare the following world regions: Europe, Latin America, Sub-Saharan Africa, Southwest Asia, South Asia, and East Asia. Activities will include assignments, weekly live classes, interactive forums, and webquests. In-depth research to complete quarterly honors projects will be required for students to satisfy the requirements of the honors course. Supplemental reading resources will be provided by the instructor.

Prerequisites: A grade of B or better in previous Social Studies course

Course Materials: Geography: The Human and Physical World

Social Studies  World History

<table>
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<tr>
<th>Category</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>Social Studies</td>
<td>World History</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9-12</td>
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World History gives students the opportunity to visit the past, connect with the present, and look to the future. The course begins with the Renaissance and moves forward to cover the Scientific Revolution, exploration, African slave trade, Spain’s Golden Age, the rise of Austria & Prussia and the Industrial Revolution. From here, students dive into more recent world history exploring the modernization of Japan, Latin America, Africa and the Middle East, WWII, Hitler and Nazi Germany and WWII. To conclude, studies of regional conflicts since 1945 are reviewed. Students will be required to use their knowledge of history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, and social settings. This course will include webcasts, webquests, research writing, narrative writing, a midterm exam, and a final exam. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Animal Farm

Social Studies  World History Honors

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<tr>
<th>Category</th>
<th>Course Name</th>
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<tr>
<td>Social Studies</td>
<td>World History Honors</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9-12</td>
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World History Honors gives students the opportunity to study course content with multiple rigorous enrichments such as extensive research writing and additional reading assignments. The course begins with the Renaissance and moves forward to cover the Scientific Revolution, exploration, African slave trade, Spain’s Golden Age, the rise of Austria & Prussia and the Industrial Revolution. From here, students dive into more recent world history exploring the modernization of Japan, Latin America, Africa and the Middle East, WWII, Hitler and Nazi Germany and WWII. To conclude, studies of regional conflicts since 1945 are reviewed. Students will be required to use their knowledge of history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, and social settings. This course will include webcasts, webquests, research writing, narrative writing, a midterm exam, and a final exam.

Prerequisites: A grade of B or better in previous Social Studies course

Course Materials: Animal Farm, Night
Course Catalog 2016-2017

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<th>Category</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>Social Studies</td>
<td>AP World History</td>
<td></td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>10-12</td>
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AP World History covers the history of the world from 600 C.E. to the present with an introduction unit on the period before (covering around 8000 B.C.E to 600 C. E.). The course emphasizes "patterns of change" and the connections between the various world cultures throughout the time period being studied. Students will gain an understanding of the global experiences of humanity and be able to apply that knowledge to their growth and development as "world citizens." The class has two major goals: 1) to prepare students to be successful on the AP World History exam and 2) to provide students with an understanding on why the world developed the way it did.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

| Social Studies     | AP European History          |                | 1       | Full Year     | Full Year          | HS           | 11, 12           |

This course is a study of the social, economic, cultural, intellectual, political and diplomatic history of Modern Europe and its place in the history of the world from the fall of Constantinople to the fall of the Berlin Wall and the Soviet Union. The course will be taught at a level and rigor equivalent to that required of students in a college freshman or sophomore Modern European History course. Students will develop an understanding of the major periods, ideas, movements, trends, and themes that characterize European history from approximately 1450-the high Renaissance-to the present. Students develop the ability to analyze historical evidence and express understanding and analysis in writing. The course will prepare students for the College Board examination in European History.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

| Social Studies     | AP Macroeconomics            |                | .5      | Half Year     | Semester 1 and 2   | HS           | 11, 12           |

Macroeconomics is an emphasis on how the economic system works as a whole. Students study how the economy is measured by using concepts such as gross domestic product (GDP) and other indicators. They examine concepts such as inflation, unemployment, world trade patterns, and the role of the Federal Reserve Bank. Students engage in decision-making processes to create an environment where high employment and a higher standard of living are achievable by using the economic tools of fiscal and monetary policy. This course prepares students for the AP Exam in Macroeconomics.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

| Social Studies     | AP Microeconomics            |                | 0.50    | Half Year     | Semester 1 and 2   | HS           | 11, 12           |

Microeconomics is the study of economics on the level of individual areas of activity and how individuals make choices with limited resources. In AP Microeconomics, students examine concepts such as supply and demand, factors of production, roles of labor and management, the relationship between the environment and the economy, and the effect of government on individual decision making. Students study the stock market as an investment option and trace various stocks throughout the semester using the Wall Street Journal and the Internet as resources. Topics presented include the nature and functions of product markets; theory of the firm; factor market; and role of government. This course prepares students for the AP Microeconomics Exam.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.
Course Catalog 2016-2017

Social Studies  AP Psychology

This course is a survey of psychology that introduces students to the major topics of the field, the terminology and methodology of psychology, and the historical and current understanding of human behavior and thought processes. Students learn to analyze human experiences like psychologists do and to apply what they have learned to the world around them. The focus of the course is to prepare students to take the Advanced Placement Psychology course administered by the College Board in the spring of each year.

Prerequisites: General Biology suggested. Only available to returning students. Third Party Courses require approval from Guidance.

Social Studies  AP US History

The AP U.S. History 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 an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. Students will learn about U.S. history from pre-Columbian times to present day. The course is intended to provide students with an academic experience parallel to that of a college level U.S. History course.

Prerequisites: Course placement requires Social Studies teacher recommendation.

Course Materials: Give Me Liberty Vol 1, Give Me Liberty Vol 2, American Political Thought, Opposing Viewpoints in American History Vol 1, Opposing Viewpoints

Social Studies  Psychology

Psychology is the scientific study of behavior and mental processes. It uses the scientific method to discover ways of understanding the complexities of human thought and behavior, as well as differences among people. Studying psychology gives students lifelong skills such as dealing with issues proactively, solving problems, learning, and nurturing healthy relationships. It helps students understand themselves, and deal with issues in their own lives such as inner conflicts, relationships with parents and peers, and intimacy. It also helps students understand societal problems like drug dependency, aggression, and discrimination. This course exposes students to the major topics found in the field of psychology. Students explore the scientific methods upon which psychology is based. Students participate in webquests, geography, webcasts and discussion. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Invitation to Psychology-3rd edition

Health & PE  Applied Physical Education

This course is a continuation of Introduction to Fitness. Students will continue learning the underlying fundamentals of a "fit for life" attitude. Students are required to complete a portfolio of fitness, which includes self-assessments and activities; this provides them with the opportunity to get active and improve fitness. In this course students will be exploring nutrients and food supplements, strengthening exercises, and learning to design individual fitness plans. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Introduction to Fitness

Course Materials: Fitness for Life 5th Edition, HS PE Kit
This course will prepare students to make appropriate decisions regarding First Aid care and to act on those decisions. First Aid can save lives, reduce recovery time, and quite possibly mean the difference between temporary disability or lifelong disability for the victim. Students will learn to recognize the signs and symptoms of injuries, sudden illness, and more. This course will also cover the importance of leading a safe and healthy lifestyle, it will meet student health class requirements, and it will provide students with the option to become Red Cross Certified in CPR and First Aid.

Course Materials: First Aid-Responding to Emergencies

This course is designed to familiarize students with different health topics; they will consider the implications of decisions and behaviors for their physical, mental emotional, and social health. These three health elements, and the way they are interconnected, constitute the health triangle. This course will help students gain knowledge and skills that will support their efforts to create and maintain a balanced health triangle. Each of the concepts will be reinforced with outside readings. A course requirement includes weekly written observations in a journal. There will be a midterm and final exam. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Glencoe Health 2009

Introduction to Fitness is a comprehensive program designed to help teens take responsibility of their own activity, fitness, and health; and to prepare them to be physically active and healthy throughout their adult lives. Students will learn the underlying fundamentals for maintaining a healthy lifestyle. Students are required to complete weekly fitness journals which includes self-assessments and physical activities, which will provide them with the opportunity to be active. The course will cover benefits of life-long fitness activities, injury and risk, cardiovascular and respiratory systems, skill-related and health-related fitness components, and fitness programing. After completing the course, students will be able to apply acquired knowledge about the benefits of physical activity to their overall health and wellness. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Fitness for Life 5th Edition

This course will begin by addressing some of the basic components of nutrition, then will delve into a variety of topics related to health and nutrition. Students will compare fad diets and look at the implications of poor nutrition. The course will teach students how to decipher food labels and how to plan nutritious meals. Students will investigate processed food and how it affects their health. After completing this course, students will have a strong working knowledge of what to eat to improve their health.

Course Materials: Food Rules: An Eater’s Manual
Course Catalog 2016-2017

Health & PE

Off-Campus PE I

- **Academic Level:** Original Credit
- **Credits:** .5
- **Course Length:** Half Year
- **Semesters Offered:** Semester 1 and 2
- **Suggested Grades:** HS 9-12

This course requires students to take part in an extra-curricular activity provided by a certified instructor in addition to completing the textbook portion of their PE class. Students extend their knowledge and understanding of the fundamentals of physical fitness by completing a fitness log based on their extracurricular activity. Students are encouraged to think critically by incorporating the aspects of fitness learned in class and applying it to their activity. Students will be expected to assume personal responsibility in order to complete weekly fitness logs. This course covers topics including the basics of fitness and physical activity, nutrition, self-management skills, positive attitudes, cardiovascular fitness, active aerobics, and skill-related physical fitness. Students are required to keep up with assignments and readings as well as submit weekly fitness logs completed and signed by the certified instructor of the extra-curricular activity. Students must have off-campus activity approved by the PE department prior to participating in this class.

**Course Materials:** Fitness for Life 5th Edition

Health & PE

Off-Campus PE II

- **Prerequisites:** Passing grade in Off-Campus PE I

Arts & Humanities

Advanced Digital Photography

- **Prerequisites:** Successful completion of Digital Photography

Arts & Humanities

Art Appreciation

- **Prerequisites:**

The course is divided into three sections that cover Prehistoric art to the Middle Ages, the Renaissance to Postimpressionism, and Expressionism to present day art. Students will learn to analyze art and gain a deeper understanding for the world around them. The course includes discussion boards, webquests, readings via online media and textbook, quizzes, chapter exams, and a final exam.

**Course Materials:** Art Kit-High School, The Art Book
Course Catalog 2016-2017

Through digital photography and graphic design lessons, students begin learning general photographic concepts. Composition skills are then added to photographs and image-editing techniques are practiced. Students also learn how to use layers, crop images, color and lighting concepts, hue and saturation, and exposures and special effects. Graphic design, artistic elements, and software skills are taught while producing graphic images. The concept of design as a matter of visual communication is embedded throughout the course. Students build a portfolio of work and explore the fields of photography, graphic arts, advertising, and illustration.

Course Materials: Digital Camera, Photoshop Elements

This course focuses on the technical skill of drawing. The coursework is designed to improve any student's ability to draw regardless of prior drawing experience. This class will use a wide variety of examples from old masters to contemporary artists. Students will be drawing from observation and will complete 10 finished drawings. Instruction formats will be demonstrations, guided practice, and critiques. Students will learn how to draw by focusing on specific, individual elements of drawing to increase his or her skill set. Lessons in line, value, shape/form, texture, positive/negative space, composition, and perspective are included.

Course Materials: Drawing Kit

This course is an overview of Western Theater beginning with the Ancient Greek and ending in 20th century. The course is designed to survey the historical aspects of theater and its growth, to reflect on the actor's job to build a character and tell a story, and to bring forward aspects of the backstage work that must occur when successfully performing that story. Students will be engaged in reflection on cultural influences on theater, analysis of character and scripts, creation of original works, and performance.

Course Materials: A Respect for Acting, A Pocketful of Plays- Vintage Drama Vol. 1

This course is designed to introduce students to the art of filmmaking. Students will learn the basic terminology of filmmaking by viewing and critiquing films. Students will learn different "genres" of films and study different film angles and tricks. Students will gain the ability to use appropriately the basic terminology of film production and film analysis. In addition, students will have an understanding of the creative contributions to film, including screenwriting, directing, and performance.

Course Materials: Looking at Movies: An Introduction to Film (4th edition)
French I has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

French II has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

This course is a continuation of the beginning level courses that will help the student continue learning the French language. In this course, the student will learn listening, speaking, reading, and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the give units of material (feelings, transportation, work, countries, future, health, home, measurements, professions and personal history), students learn to express themselves using an ever increasing vocabulary, present, past, future, and conditional-tense verbs, articles, adjectives and increasingly complex grammatical structures. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the French speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.
### Course Catalog 2016-2017

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
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</table>

This course is a continuation of the beginning level courses that will help the student continue learning the French language. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (People, Achievements, Desires, Activities, Celebrations, Possibilities, The Past, The Arts, Now, It’s over!), students learn to express themselves using an ever increasing vocabulary, present, past future and conditional-tense verbs, articles, adjectives and increasingly complex grammatical structures. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the French speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards.

**Prerequisites:** Only available to returning students. Third Party Courses require approval from Guidance.

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</table>

German I has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

**Prerequisites:** Only available to returning students. Third Party Courses require approval from Guidance.

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</table>

German II has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

**Prerequisites:** Only available to returning students. Third Party Courses require approval from Guidance.
### German III

German III has been carefully designed to meet the standards of the American Council on the Teaching of Foreign Languages (ACTFL). These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in various aspects of culture. Vocabulary tips are included in each unit. Students will review and expand upon skills learned in German I and II, always proceeding from the known to the new. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams. Learning activities in each unit are focused upon a specific theme.

**Course Materials:**

- Only available to returning students. Third Party Courses require approval from Guidance.

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
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<th>Suggested Grades</th>
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<tbody>
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<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9-12</td>
</tr>
</tbody>
</table>

### German IV

This fourth year of German builds upon the first three levels. Students will continue to sharpen their reading, writing, and listening skills as well as learn skills to think critically and express themselves on topics relevant to German culture. This fourth level will include authentic texts, current culture, and literature from Germany, Austria, and Switzerland. Every two units will be a special focus on a particular region or city from these areas; these will include such things as culture, tourism, and current events. Students will learn vocabulary, grammar skills, and cultural competency to express themselves on a variety of topics in German. Cultural topics include: contemporary and classical music, expressing opinion, German history, transportation, family, weekend travel, free time activities, youth and technology, multiculturalism, holidays, education, career, and travel in a foreign country. This course is aligned to the national ACTFL Foreign Language standards and provides a way to focus on the five aspects of foreign language instruction: communication, culture, connections, comparisons, and community.

**Prerequisites:**

- Only available to returning students. Third Party Courses require approval from Guidance.

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
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<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9-12</td>
</tr>
</tbody>
</table>

### Graphic Novel Seminar

This course examines graphic novels, a genre that has grown in popularity and renown in recent years. Students will study history, fiction, classic literature, and science fiction through these inventive books that combines literary texts and illustrations. In addition to analyzing these texts, students will be able to create their own stories and comics. The course may include readings, discussion boards, webcasts, group work, projects, and presentations. Although these books were carefully selected for literary and artistic value, parents should be aware that some may contain images, language, or moments of violence that may not align with their personal values. If you are concerned about the content of these books, please contact the school to discuss your concerns with the teacher.

**Course Materials:**

- Laika, King Lear (GN), Katman, I Kill Giants, American Born Chinese, Maus

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<tr>
<th>Category</th>
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<td>Arts &amp; Humanities</td>
<td>Graphic Novel Seminar</td>
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### History of Rock and Roll

This class offers students the opportunity to learn about music’s past and present, and its modern significance. Students will listen to music from the past and present, and also create original music using technology. The course will require readings via online media and textbook, quizzes, chapter exams, and a final exam covering the definitive history of the most important artists and their music. (A Credit Recovery version of this course is also available as needed.)

**Course Materials:**


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<tr>
<th>Category</th>
<th>Course Name</th>
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<th>Suggested Grades</th>
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<tbody>
<tr>
<td>Arts &amp; Humanities</td>
<td>History of Rock and Roll</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
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<td>HS</td>
<td>9-12</td>
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</table>
This two-semester course provides an introduction to the fundamentals of Latin grammar. Students develop the skills necessary to translate basic sentences from Latin into English and from English into Latin, and to read simple connected passages of Latin prose and poetry. In the process, students learn how verb conjugations and noun declensions work in a highly inflected language and how to analyze the structure of Latin sentences. The course includes a cross-cultural component, introducing students to the world of ancient Rome by allowing them to acquire knowledge—through word study—of Roman institutions, practices, religious beliefs, and ideological ways of thought.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

Latin II builds on the foundation in Latin grammar provided by the Latin I course and also includes an in-depth study of Roman mythology and history. Students expand their use of declensions, adjectives, adverbs, and cases. These skills enable them to translate longer Latin texts into English that require a more complex knowledge of grammar rather than just vocabulary. To practice oral Latin skills, students engage in conversations, seek and give items of information, express feelings and emotions, and exchange opinions. Latin II also takes students on a tour of the ancient classical world, including literature, historical workers, and the lives of famous and influential Romans.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

The purpose of this course is to provide an introduction to Modern Standard Chinese (Mandarin) as a foreign language for beginners. The main goal for this course is for students to acquire a culturally contextualized working knowledge of and essential skills in introductory Chinese. This course aims at developing four basic skills: listening, speaking, reading, and writing, and building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, webcasts, written and oral assignments, quizzes, unit exams, projects, and a final exam. Upon completion of this course students will have mastered a set of essential sentence patterns and a vocabulary of approximately 350 words. In addition, this course will help students achieve a better awareness of Chinese culture and society, which will form an important aspect of a truly global perspective. (A Credit Recovery version of this course is also available as needed.)

Course Materials: Int. Chinese Level 1 Part 1 Text, Int. Chinese Level 1 Part 1 Wkb, Int. Chinese Level 1 Part 1 Char Wkb, WACOM tablet
Course Catalog 2016-2017

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<tr>
<th>Category</th>
<th>Course Name</th>
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<th>Credits</th>
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<th>Course Level</th>
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<td>Arts &amp; Humanities</td>
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<td>Full Year</td>
<td>Full Year</td>
<td>HS</td>
<td>9-12</td>
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</table>

The purpose of this course is to continue to provide instruction in Modern Standard Chinese (Mandarin) as a foreign language for beginners. The main goal for this course is for students to acquire a culturally contextualized working knowledge of and essential skills in introductory Chinese. This course aims at developing four basic skills: listening, speaking, reading, and writing, and building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, webcasts, written and oral assignments, quizzes, unit exams, projects, and a final exam. Upon completion of this course students will have mastered a set of essential sentence patterns and vocabulary. In addition, this course will help students achieve a better awareness of Chinese culture and society, which will form an important aspect of a truly global perspective. (A Credit Recovery version of this course is also available as needed.)

Prerequisites: Passing grade in Mandarin Chinese I

Course Materials: Int. Chinese Level 1 Part 2 Text, Int. Chinese Level 1 Part 2 Wkb, Int. Chinese Level 1 Part 2 Char Wkb, Wacom

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<tr>
<th>Category</th>
<th>Course Name</th>
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<th>Course Length</th>
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<td>Arts &amp; Humanities</td>
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<td>Original Credit</td>
<td>.5</td>
<td>Half Year</td>
<td>Semester 2</td>
<td>HS</td>
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This class offers students the opportunity to learn about music's past and present, and its modern significance. Students will listen to music from the past and present, and also create original music using technology. Divided into three sections, this course will teach the basic concepts of music, a history of music and contemporary music. The course includes discussion forums, webquests, readings via online media and textbook, quizzes, chapter exams, and a final exam.

Course Materials: Music, The Art of Listening, GarageBand Application

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<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
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<tr>
<td>Arts &amp; Humanities</td>
<td>Music Fundamentals &amp; Keyboarding</td>
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<td>Half Year</td>
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This course offers an introductory level experience in piano and basic music theory. The goal of this class is to have students creating music right away and to leave them with skills they can easily build upon. Students will learn the basics of reading, writing, performing, and improvising music using a 49 key MIDI Keyboard and computer software. Prior music experience is not needed or expected. For students who do have prior experience, the course will offer varying degrees of challenge on certain assignments but remains a beginner level course. While this course is asynchronous, daily or near daily practice is always the best way to learn new musical skills.
### Course Catalog 2016-2017

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The purpose of this course is to provide an introduction to Spanish as a foreign language for beginners. The main goal for this course is for students to acquire a culturally contextualized working knowledge of and essential skills in level one Spanish, including the use of present tense verbs, introductory conversation skills, and basic vocabulary. This course aims at developing the student's use and understanding of the target language through listening, speaking, reading and writing, as well as building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, webcasts, written and oral assignments, quizzes, unit exams, projects, and a final exam so that students may interact with the language in a variety of ways. Upon completion of this course students will have mastered a set of essential sentence patterns and vocabulary that are crucial in their use of Spanish outside of the classroom. In addition, this course will help students achieve a better awareness of Spanish culture and society, which will form an important aspect of a truly global perspective. (A Credit Recovery version of this course is also available as needed.)

**Course Materials:** Avancemos Level 1

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The purpose of this course is to provide an introduction to Spanish as a foreign language for beginners. The main goal for this course is for students to acquire a culturally contextualized working knowledge of and essential skills in introductory Spanish. This course aims at developing four basic skills: listening, speaking, reading, and writing, and building a solid foundation in preparation for more advanced studies. This course will include readings, discussion boards, webcasts, written and oral assignments, quizzes, unit exams, projects, and a final exam. Upon completion of this course students will have mastered a set of essential sentence patterns and a vocabulary. In addition, this course will help students achieve a better awareness of Spanish culture and society, which will form an important aspect of a truly global perspective. (A Credit Recovery version of this course is also available as needed.)

**Course Materials:** Avancemos Level 2

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<th>Course Length</th>
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The purpose of this course is to bring students to a more functional and practical understanding of the Spanish language through practicing their reading, writing, speaking, and listening skills. This course will delve into more advanced grammar concepts, such as the subjunctive and the perfect tenses, but will also give students the opportunity to review past grammatical concepts in more detail. This course will include conversational and written grammatical practice, as well as projects, tests, quizzes, and essays to assess a student's ability to read, write, speak and listen to the Spanish language. (A Credit Recovery version of this course is also available as needed.)

**Prerequisites:** Successful completion of Spanish II

**Course Materials:** Avancemos Level 3
This fourth year of Spanish is a continuation of the first three years. The student will continue to sharpen listening, speaking, reading, and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material, students learn to express themselves using an ever increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Spanish speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards. 

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

**Course Materials:**

**World Religions**

This course is an introduction to the major teachings and devotional practices of the world’s religious traditions including Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam. The course explores the essential differences and similarities between these traditions, the influence of these religious on world history, their philosophical foundations, and their expression in various cultural traditions. The course examines primary and secondary sources. It includes research papers, close readings of essential texts, podcasts, videos, exams and discussion boards.

Course Materials: To Be Determined

**AP French Language & Culture**

AP French Language students apply their French grammar and vocabulary knowledge and their listening, reading, speaking, and writing skills to a wide variety of real-world contexts. Students learn to speak fluently and accurately, write complicated compositions, and comprehend native speakers. The equivalent of a college-level language course, AP French Language prepares students for the AP Exam and for further study of French language, culture, and literature.

Prerequisites: French III Only available to returning students. Third Party Courses require approval from Guidance.
# Course Catalog 2016-2017

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<thead>
<tr>
<th>Category</th>
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<th>Course Level</th>
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<td>Full Year</td>
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AP Spanish Language students practice perfecting their Spanish speaking, listening, reading, and writing skills. They study vocabulary, grammar, and cultural aspects of the language, and then apply what they've learned in extensive written and spoken exercises. By the end of the course, students will have an expansive vocabulary and a solid, working knowledge of all verb forms and tenses. The equivalent of a college-level language course, AP Spanish Language prepares students for the AP Exam and for further study of Spanish language, culture, or literature.

Prerequisites: Spanish III Only available to returning students. Third Party Courses require approval from Guidance.

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This course is designed to introduce students to the field of philosophy by getting them to think carefully, analytically, and critically about some of the fundamental questions of human existence. Students are encouraged to engage in a dialogue about those questions and answers while studying traditional and modern approaches to the issues with an emphasis on discussion boards and postings. Some of the topics covered include: Epistemology, Rationalism, Empiricism, Idealism, Materialism, and Applied Ethics.

Course Materials: Philosophy-Contemporary Perspectives on Perennial Issues

<table>
<thead>
<tr>
<th>Electives</th>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
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<tr>
<td>Electives</td>
<td>Business Law</td>
<td></td>
<td>0.50</td>
<td>Half Year</td>
<td>Semester 1</td>
<td>HS</td>
<td>9-12</td>
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This course will provide students with a basic understanding of law as it pertains to business. It will provide an overview of our legal system, including statutes and regulations that affect businesses, families, and individuals in a variety of ways. Knowledge of business law is particularly useful because all students will eventually assume the role of citizen, worker, and consumer in society. We live in an increasingly global environment where the laws of different governments and judicial systems frequently conflict. As a result, business students must be prepared to have a basic knowledge of the legal system and how business law impacts commerce, both nationally and internationally. The material covered in the Business Law course is reinforced and enhanced through the use of technology, videos and hands-on, project-based activities whenever possible.

<table>
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<tr>
<th>Electives</th>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>Business Marketing</td>
<td></td>
<td>.5</td>
<td>Half Year</td>
<td>Semester 2</td>
<td>HS</td>
<td>9-12</td>
</tr>
</tbody>
</table>

The purpose of this course is to indoctrinate students into the ways in which a business presents its goods or services to the public. Students will learn about careers in marketing, the impact of social media today, consumer behavior patterns, the 4 P’s of marketing, laws and regulations, marketing research, and how to implement a marketing plan. The course will include readings, use of available technology, discussion boards, presentations, and the analysis of the current and future climate of marketing. This class will prepare those heading to college with an eye towards business or those interested in understanding how a product is made available to the consumer.
## Course Catalog 2016-2017

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>Driver's Ed</td>
<td>Original Credit</td>
<td>0.25</td>
<td>Half Year</td>
<td>Semester 1 and 2</td>
<td>HS</td>
<td>9-12</td>
</tr>
</tbody>
</table>

This course is designed to provide students with enhanced curriculum focused on four major topics as directed by the Pennsylvania Department of Education’s Bureau of Curriculum and Academic Services’ School Safety Education board along with Indiana University of Pennsylvania’s Highway Safety Center. The four main topics covered in the class include: decision-making (which will be utilized throughout the rest of the class), perception and driving strategies for different environments, responsibilities of having a driver’s license and owning/maintaining a vehicle, and man-made and natural laws in relation to driving a motor vehicle. Driver's Education is STRICTLY theory and does NOT include a driving portion.

**Course Materials:** Responsible Driving

| Electives   | Fashion & Textiles  | Original Credit | 0.50    | Half Year     | Semester 1 and 2   | HS           | 9-12            |

Fashion and Textiles is a course designed for students who are interested in fashion and merchandising. Learn how fabrics are used in these areas, how they are made, and the special characteristics each fabric has. Explore the 21st century of textiles from swatch to fashion, and how fabrics and textiles impact the world of fashion design. This course will also examine the origin, culture, and history of fashion, as well as the basic elements and principals of color, fashion, and design. Students will test their skills through hands-on projects, essays, and quizzes. Students will also learn essential communication skills that build success in any business. By the end of the course, students will have a head start in developing the portfolio needed to get started in this exciting field.

**Course Materials:** To Be Determined

| Electives   | HS Family & Consumer Science | Original Credit | 0.5   | Half Year     | Semester 1   | HS           | 9-12            |

This course explores finances, personal and family responsibilities, and food science in three units. The first unit, financial and resource management will investigate financial decision making, how to choose a job, and managing annual gross income. In the second unit students will learn ways to balance family, work, and community responsibility by covering teamwork and the family life cycle. The final unit, food science and nutrition will review diets and nutritional needs, food engineering, and meal planning. The course includes readings, discussion boards, webcasts, research, webquests, group work, projects, and presentations.

| Electives   | Journalism  | Original Credit | 0.5 | Half Year | Semester 1 | HS | 9-12 |

Journalism is a course designed for students who are interested in exploring the field of journalism and developing their skills as a writer. This course will investigate the ethical and legal responsibilities of the press, as well as the various forms of media found today. Students will learn the fundamentals of writing hard news stories, feature stories, sports reporting and editorials. They will have numerous opportunities to create original articles throughout the course. Throughout this course, students learn the keys to to conducting an interview and translating that information into an article ready for the press. As a final assignment, students will create a newspaper using the articles they have written throughout the course.
This course is designed to increase students’ keyboarding skills. This self-paced course provides students with correct keyboarding techniques and typing procedures. This course is ideal for students who wish to improve their 21st century computer communication skills or for individuals who simply want to improve their typing speed and accuracy.

**Course Materials:** Reading Magic

**Electives**

**Study Skills**

This course is designed for students to investigate their learning styles and discover ways in which to identify their strengths and to use strategies for improving reading; managing time; improving and applying different note-taking systems. Students will analyze how textbooks can be used to help with studying, learn how to efficiently complete research from appropriate websites, and prepare for and take tests so they can apply the appropriate strategies when needed.

**Course Materials:** The 7 Habits of Highly Effective Teens
<table>
<thead>
<tr>
<th>Category</th>
<th>Course Name</th>
<th>Course Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electives</td>
<td>Careers 101</td>
<td>Original Credit</td>
<td>.5</td>
<td>Half Year</td>
<td>Semester 1 and 2</td>
<td>HS</td>
<td>10-12</td>
</tr>
</tbody>
</table>

In this course, students will use an informative interactive process to explore career and life options that fit their individual interests, needs, and skills. Students begin with an examination of their own interests, aptitudes, achievements, and personality styles. Then, they explore potential career matches, examining job market information, conducting informational interviews, and plotting training and educational paths.

**Course Materials:** *What Color Is Your Parachute? For Teens*

<table>
<thead>
<tr>
<th>Electives</th>
<th>Cosmetology</th>
<th>Original Credit</th>
<th>0.50</th>
<th>Half Year</th>
<th>Semester 1 and 2</th>
<th>HS</th>
<th>10-12</th>
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</thead>
</table>

Students will explore career options in the field of cosmetology. Research into some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology-related businesses will also be presented.

**Prerequisites:** Only available to returning students. Third Party Courses require approval from Guidance.

<table>
<thead>
<tr>
<th>Electives</th>
<th>Hospitality &amp; Tourism</th>
<th>Original Credit</th>
<th>0.50</th>
<th>Half Year</th>
<th>Semester 1 and 2</th>
<th>HS</th>
<th>10-12</th>
</tr>
</thead>
</table>

With greater disposable income and more opportunities for business travel, people are traversing the globe in greater numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course introduces students to hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other segments of the industry. Students learn about key hospitality issues; the development and management of tourist locations; event planning; marketing; and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

**Prerequisites:** Only available to returning students. Third Party Courses require approval from Guidance.

<table>
<thead>
<tr>
<th>Electives</th>
<th>Intro to Agriscience</th>
<th>Original Credit</th>
<th>0.50</th>
<th>Half Year</th>
<th>Semester 1 and 2</th>
<th>HS</th>
<th>10-12</th>
</tr>
</thead>
</table>

Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve and better understand agriculture and how it can be used to continue to sustain human life. In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

**Prerequisites:** Only available to returning students. Third Party Courses require approval from Guidance.
Forensic science is the application of basic biological, chemical and physical science principles and technological practices to the purposes of justice in the study of criminal and civil issues. Major themes of study in this course will be pathology, anthropology, odontology, ballistics, trace evidence, entomology, DNA, fingerprints, impression evidence, questioned documents and forensic psychiatry/psychology. This course will present the scientific principles, basic laboratory and field methods forensic scientists use to solve problems. Students will take on the various roles of crime scene investigator, scientists and medical examiner in order to collect and evaluate evidence in a problem-solving environment.

Prerequisites: Successful completion of Biology

Course Materials: Forensic Science Fundamentals & Investigations, Forensic Science Kit

Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero’s views of rhetoric, and then traces those foundations into the modern world. Students learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, how to build a strong argument, and how to speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. In this course, students take a look at the animals that live in our homes, on our farms, and in zoos and wildlife sanctuaries, and examine some of the common diseases and treatments for domestic animals. They also learn about toxins, parasites, and infectious diseases that affect not only the animals around us, but at times, humans as well! The course provides an overview of veterinary medicine and science, and how the prevention and treatment of diseases and other health issues are studied and applied.

Prerequisites: Only available to returning students. Third Party Courses require approval from Guidance.
### Employers want to hire highly skilled applicants. With that in mind, the Graduation Portfolio course is designed to engage students in a variety of academic, career, and community service opportunities in order to build these skills. Students will recognize the importance of being marketable in today's economic climate and develop skills such as goal setting, critical thinking and problem solving. Students will demonstrate communication, networking, and workplace skills while focusing on their career interest area. Students will then be asked to reflect on their progress in these essential skills. Upon successful completion of the course, students will have a portfolio of evidence to present to any prospective employer or post-secondary education facility.

**Course Materials:** Taking People with You: The Only Way to Make Big Things Happen

### Electives

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Graduation Portfolio</td>
<td></td>
<td>.5</td>
<td>Half Year</td>
<td>Semester 1 and 2</td>
<td>HS</td>
<td>11, 12</td>
</tr>
<tr>
<td>Sociology I</td>
<td>Original Credit</td>
<td>.5</td>
<td>Half Year</td>
<td>Semester 1 and 2</td>
<td>HS</td>
<td>11, 12</td>
</tr>
<tr>
<td>Sociology II</td>
<td>Original Credit</td>
<td>0.50</td>
<td>Half Year</td>
<td>Semester 1 and 2</td>
<td>HS</td>
<td>11, 12</td>
</tr>
</tbody>
</table>

**Course Materials:** Sociology I. Only available to returning students. Third Party Courses require approval from Guidance.

**Prerequisites:** Successful completion of Sociology I. Only available to returning students. Third Party Courses require approval from Guidance.

### Language Arts

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Academic Level</th>
<th>Credits</th>
<th>Course Length</th>
<th>Semesters Offered</th>
<th>Course Level</th>
<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts I</td>
<td>Original Credit</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>MS</td>
<td>6</td>
</tr>
</tbody>
</table>

The purpose of this course is to build a solid foundation in the reading, writing, vocabulary, and grammar skills that students will find essential throughout their lives. Students will also learn writing techniques, research skills, and test-taking skills. The class will explore many aspects of literature: fiction, nonfiction, poetry, media, art, the novel, and speech. Students will use the five steps of the Writing Process (prewriting, drafting, revising, editing, and publishing). The course will include readings, discussion boards, webcasts, research, webquests, group work, and presentations.

**Course Materials:** Something For Joey, Around the World, Double Dutch, The Dreamer
### Course Catalog 2016-2017

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<th>Suggested Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>Language Arts II</td>
<td>Full Year</td>
<td>1</td>
<td>Full Year</td>
<td>Full Year</td>
<td>MS</td>
<td>7</td>
</tr>
</tbody>
</table>

The purpose of this course is to familiarize students with elements of literature from various genres. Students will also learn writing techniques, research skills, and the rules of proper grammar usage. The class will explore many aspects of literature: fiction, nonfiction, poetry, media, art, drama, the novel, and speech. Students will use the five steps of the Writing Process (prewriting, drafting, revising, editing, and publishing). The course will include readings, discussion boards, webcasts, research, webquests, group work, and presentations.

Prerequisites: Passing grade in Language Arts I or equivalent course

**Course Materials:** Stickman Odyssey, The Westing Game, Tangerine

<table>
<thead>
<tr>
<th>Language Arts</th>
<th>Language Arts III</th>
<th>Original Credit</th>
<th>Full Year</th>
<th>Full Year</th>
<th>MS</th>
<th>8</th>
</tr>
</thead>
</table>

The purpose of this course is to build a solid foundation in the reading, writing, and grammar skills that students will find essential throughout their lives. Students will also learn writing techniques, research skills, and the rules of proper grammar usage. The class will explore many aspects of literature: fiction, nonfiction, poetry, media, drama, the novel, oral traditions, and speech. This course will teach both narrative and persuasive writing, and the elements of each of these styles. The course will include discussion boards, lecture, class discussion through live webcasts, research, webquests, collaborative group work, presentations, unit exams, and formal written essays.

Prerequisites: Passing grade in Language Arts II or equivalent course

**Course Materials:** Brown Girl Dreaming, The Book Thief, Wonder

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Math Principles</th>
<th>Original Credit</th>
<th>Full Year</th>
<th>Full Year</th>
<th>MS</th>
<th>6</th>
</tr>
</thead>
</table>

This course builds on arithmetic and geometry concepts gained in a sixth grade math course. Topics will include exponents, factors, fractions, ratios, proportions, percents, probability, displaying data, and graphing using the coordinate plane. Throughout the course, students will incorporate math into real-world situations. This class will include webcast sessions, quizzes, projects, practice, and exams.

**Course Materials:** Mathematics Course 2-PH, TI 30 Calculator

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Pre-Algebra</th>
<th>Original Credit</th>
<th>Full Year</th>
<th>Full Year</th>
<th>MS</th>
<th>7</th>
</tr>
</thead>
</table>

This course will provide a foundation for Algebra I. Course topics include: real numbers and linear equations, linear inequalities, factoring, fractions, graphing and some elements of geometry. Students will study rational number forms, integers, measurement, and draw conclusions about problem solving. They will be asked to provide written explanations that illustrate his or her thinking and process for solving problems. After completing the course, students will be able to use: integers and expressions to solve problems, decimals in equations, rational numbers, exponents, scientific notation, ratios, proportions, and percents. They will also be able to solve: equations, inequalities, right triangles, graph equations, and find area and volume of various solids. Activities will include lectures using webcast sessions, webquests, practice activities, projects, small scheduled group work and unit exams.

Prerequisites: Passing grade in Math Principles or course equivalent

**Course Materials:** TI 30 Calculator
The purpose of this course is to extend students’ knowledge of Pre-Algebra and to prepare students for Algebra 1. This course will review the basics of real numbers and problem solving. It will include algebraic topics such as: data displays, probability, exponents, polynomials, equation solving, inequalities, functions, slope, equations of lines, patterns, and scatter plots. This course will include practice, quizzes, tests, and projects, as well as reading, research, writing, speaking, and discussion forums.

Prerequisites: Successful completion of Pre-Algebra or equivalent course & Teacher Recommendation

This course builds upon pre-algebra skills by expanding on knowledge of variables or the “unknown.” Students extend their knowledge by using abstract thinking to understand mathematical concepts. Topics include radicals, greatest common factor, least common multiple, absolute value, exponents, operations with polynomials, linear equations, systems of equations, inequalities, and functions. Students are introduced to and assessed on the topics through various lessons, activities, practices, tests, and projects.

Prerequisites: Successful completion of Pre-Algebra or equivalent course & Teacher Recommendation

Course Materials: TI 84 Calculator

This course is a hands-on, active experience. The sixth grade science course employs the scientific method in many contexts as students design and carry out experiments to answer a variety of questions. Throughout the course, students actively investigate patterns of living things, cells and microbes, matter, chemical changes, and temperature. In the area of life science, students will study cells, bacteria, plants and animals. In earth science, students will study water from fresh water to the ocean. In physical science, students explore matter, the Periodic Table, and carbon in detail. This course was designed to follow and reinforce the Biology, Physical Science, Chemistry, Physics, and Earth Science Standards that are provided by the Pennsylvania Department of Education (PDE).

Course Materials: Science Explorer - Discoveries

This science course is designed to provide 7th grade students with a survey of sciences, which will include parts of Biology, Physics, Earth and Space, and the Nature of Science. Students will learn that science is everywhere and that there are many connections between each of the sciences and the real world through a variety of activities and assignments, including discussion boards, interactive activities, small group work, and writing assignments.

Prerequisites: Passing grade in 6th grade Science course
This course is designed to provide 8th grade students with a solid foundation of basic Biology, Earth and Space Sciences, Physical Science and Chemistry concepts and skills while preparing them for a high school science course. Students will master these skills while relating them to real life situations through a variety of activities and assignments, including discussion boards, small group work and a graphing, researching and writing assignment.

Prerequisites: Passing grades in 6th and 7th grade Science courses

Social Studies

Ancient History through Modern Times

Course Materials: World History: Ancient Through Early Modern Times

The purpose of this course is to familiarize students with the major themes found in geography including location, place, human environment, movement, and regions. The class will explore these aspects of geography in relation to our country and the world. This class will include webcasts, webquests, group work, and presentations.

Course Materials: People, Places, Change

American History I

This course is designed to help guide students in making decisions that meet his or her family goals and values. We encourage students to talk with family members in addressing the following topics: understanding health and wellness, taking charge of your health, physical activity and fitness, nutrition, personal health and consumer choices, personal safety, and the environment and your health. Concepts are presented through study guides, flashcards, web activities, concept mapping, group discussion, and podcasts. Weekly fitness activities and logs are used to cover concepts, and guide student choices and workouts.

Course Materials:  Teen Health Course 2, MS PE Kit

Building on the themes from PE/Health I, this course covers the following topics: understanding health and wellness, taking charge of your health, physical activity and fitness, nutrition, personal health and consumer choices, personal safety, and the environment and your health. Concepts are presented through study guides, flashcards, web activities, concept mapping, group discussion, and podcasts. Weekly fitness activities and logs are used to cover concepts, and guide student choices and workouts.

Course Materials:  Teen Health Course 2, MS PE Kit

Building on themes from PE/Health I & II, this course provides a more in-depth look at the following topics: understanding health and wellness, taking charge of your health, physical activity and fitness, nutrition, personal health and consumer choices, personal safety, and the environment and your health. Concepts are presented through study guides, flashcards, web activities, concept mapping, group discussion, and podcasts. Weekly fitness activities and logs are used to cover concepts, and guide student choices and workouts.

Course Materials:  Teen Health Course 2, MS PE Kit

This class offers students the opportunity to learn about art's past and present, and its modern significance. Students will contemplate such questions as the choices artists make when they create and what motivates cultures to create. Personal response and creativity are fostered and encouraged. The course will include weekly online learning activities and assignments. Creating, sharing and forming opinions are the most important aspects of this course. The class will culminate with a virtual gallery show with creating, sharing and forming opinions about art as learning goals.

Course Materials:  Art Kit-Middle School
Arts & Humanities  Music I

This course is an introduction to learning about music in the past and present. The reasons people make music, how other cultures make music, melody and composition will all be explored. Students will create original musical sketches and pieces. Creating, sharing and forming opinions are the most important aspects of Music I. The course will include weekly online learning activities and assignments, webcasts and podcasts.

Course Materials:  Garageband Application, Audacity Software

Semester 1

Arts & Humanities  Art II

This class offers students the opportunity to learn about choosing themes when making art, as well as exploring art criticism. The creation of original artwork is a main focus. The course will include online learning activities, assignments, webcasts and podcasts. Art II allows students to research their interests and present extensive projects to other students in the course.

Course Materials:  Art Kit-Middle School

Semester 1

Arts & Humanities  Music II

This course will be an overview of the elements of music, a short review of form and structure and a development of a comprehensive list of prominent musical styles. Three styles of music will be reviewed for historical context and contemporary relevance. The course will include online learning activities, assignments, webcasts and podcasts. Music II allows students to research their interests and present extensive projects to other students in the course.

Course Materials:  Garageband Application, Audacity Software

Semester 2

Arts & Humanities  Art III

This course will create a structure that allows students to reflect upon and recognize the art-making process. Students will explore and be in close touch with each step of the process of art making. The entirety of this course will be based in studio work reflecting specific fields of visual and practical art. Research, design, execution and abstraction of architectural art are expected. The course will include online learning activities and assignments, webcasts and podcasts.

Course Materials:  Art Kit-Middle School

Semester 2

Arts & Humanities  Music III

This course introduces American musical genres and the major artists of each genre historically. Students will survey the emergence of popular musical forms and the roots of each form beginning at the early 1900s. Each major American musical form produced a number of important artistic innovators; these will be highlighted and interpretations of these contributions will be part of the course content. This course will push students to recognize the process one must take while being creative. The course will include weekly online learning activities and assignments, webcasts and podcasts.

Course Materials:  Garageband Application, Audacity Software
This course is an overview of three important units in family and consumer science. In the first unit, financial and resource management, we will explore personal and consumer finances and decision making. In the second unit students will learn ways to balance family, work and community responsibility by learning about decision making, time management, and leadership. The final unit, food science and nutrition will introduce students to making good food choices, food handling and preparation, and understanding nutritional information. The course includes readings, discussion boards, webcasts, research, webquests, group work, projects, and presentations.