

# JOHNS CREEK HIGH SCHOOL

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## 2025-26 Course Catalog

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## TABLE OF CONTENTS

<b>FULTON COUNTY GRADUATION REQUIREMENTS</b>	<b>3</b>
<b>ENGLISH LANGUAGE ARTS</b>	<b>4</b>
<b>MATHEMATICS</b>	<b>9</b>
<b>SCIENCE</b>	<b>15</b>
<b>SOCIAL STUDIES</b>	<b>20</b>
<b>WORLD LANGUAGES</b>	<b>24</b>
<b>CAREER, TECHNOLOGY and AGRICULTURAL EDUCATION (CTAE)</b>	<b>33</b>
<b>FINE ARTS: Performing and Visual</b>	<b>39</b>
<b>HEALTH and PHYSICAL EDUCATION (PE)</b>	<b>48</b>
<b>TALENTED &amp; GIFTED PROGRAM (TAG)</b>	<b>49</b>

## Minimum Course Requirements for Graduation

Subject	Credits/ Units	Requirements
English Language Arts	4	<ul style="list-style-type: none"> <li>Literature &amp; Composition I</li> <li>Literature &amp; Composition II</li> <li>American Literature &amp; Composition <b>OR</b> World Literature &amp; Composition <b>OR</b> Advanced Composition <b>OR</b> AP Seminar <b>OR</b> AP English Language</li> <li>One additional English credit</li> </ul>
Mathematics	4	<ul style="list-style-type: none"> <li>Algebra Concepts &amp; Connections</li> <li>Geometry Concepts &amp; Connections</li> <li>Advanced Algebra Concepts &amp; Connections</li> <li>One additional Math Credit</li> </ul>
Science	4	<ul style="list-style-type: none"> <li>Biology</li> <li>Physical Science or Physics</li> <li>Chemistry, Environmental Science or Earth Systems</li> <li>One additional Science Credit</li> </ul>
Social Studies	3	<ul style="list-style-type: none"> <li>Government (0.5)</li> <li>World History</li> <li>US History</li> <li>Personal Finance &amp; Economics (0.5)</li> </ul>
Career Tech (CTAE)* / Fine Arts / World Language	3	<ul style="list-style-type: none"> <li>Students must take a minimum of 3 credits in CTAE, Fine Arts, or World Language.</li> </ul> <p><b>NOTE:</b> Students seeking admission to a four-year college or university in Georgia must take a minimum of 2 units of the same world language.</p>
Health & Physical Education	1	<ul style="list-style-type: none"> <li>Health (0.5)</li> <li>Personal Fitness (0.5)</li> </ul>
Electives	4	<ul style="list-style-type: none"> <li>4 additional credits are required from the subject areas listed above.</li> </ul>
<b>Total</b>	<b>23</b>	
Each semester class = 0.5 credit Students take a total of 6 classes/semester (3.0 credits)		

\*Students wishing to receive industry certification in certain areas under CTAE programs must follow specific pathways.

### HOPE SCHOLARSHIP

HOPE Scholarship eligibility information can be found at <https://www.gafutures.org>

# ENGLISH/LANGUAGE ARTS

Graduation Requirement: 4 Credits

## JCHS ELA Course Progression

### College Prep Track

#### 9th Grade

Literature and  
Composition I  
(9th Grade Literature)

#### 10th Grade

Literature and  
Composition II  
(10th Grade Literature)

#### 11th Grade

American Literature

#### 12th Grade

World Literature or  
Dramatic Writing or  
Dual Enrollment

### Honors/AP Track

#### 9th Grade

Honors Literature and  
Composition I  
(9th Grade Literature)

#### 10th Grade

Honors Literature and  
Composition II  
(10th Grade Literature)

#### 11th Grade

AP Language or  
Honors American  
Literature

#### 12th Grade

Advanced Composition or  
Dramatic Writing or  
AP Literature or  
Dual Enrollment

### Accelerated Honors/AP Track

#### 9th Grade

Honors Literature and  
Composition II  
(10th Grade Literature)

#### 10th Grade

AP Seminar or Honors  
American Literature

#### 11th Grade

AP Language or  
Honors American  
Literature or Advanced  
Composition

#### 12th Grade

Advanced Composition or  
AP Research or  
AP Literature or  
Dramatic Writing or  
Dual Enrollment

## LITERATURE AND COMPOSITION I

**Course Number: 23.0610000 - Yearlong**

Ninth Grade Literature and Composition is a study of literary genres. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts; to learn characteristics of basic literary genres, including the novel, short story, poetry, drama, and nonfiction; to establish effective writing and research habits; and to refine language skills as they apply to writing, listening, speaking, and viewing.

## HONORS LITERATURE AND COMPOSITION I

**Course Number: 23.0610040 - Yearlong**

This course requires a teacher recommendation, which may be based on the following: approved writing, standardized test scores, and academic achievement. The honors level course has higher expectations and more rigorous coursework than the college preparatory level, including mandatory summer reading and written responses to literature. Ninth Grade Literature and Composition Honors is a study of literary genres. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts; to learn characteristics of basic literary genres, including novels, short story, poetry, drama, and nonfiction; to establish effective writing and research habits; and to refine language skills as they apply to writing, listening, speaking, and viewing.

## LITERATURE AND COMPOSITION II

**Course Number: 23.0620000 - Yearlong**

Tenth Grade Literature and Composition is organized thematically. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts. They will learn about universal themes and symbols common to literary works, including novels, short story, poetry, drama, and nonfiction. Students will continue to build on effective writing and research habits as they refine language arts skills which they will apply to writing, listening, speaking, and viewing.

## HONORS LITERATURE AND COMPOSITION II

**Course Number: 23.0620040 - Yearlong**

This course requires a teacher recommendation, which may be based on the following: approved writing, standardized test scores, and academic achievement. The honors level course has higher expectations and more rigorous coursework than the college preparatory level, including mandatory summer reading and written responses to literature. Tenth Grade Literature and Composition Honors is organized thematically. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts. They will learn about universal themes and symbols common to literary works, including the novel, short story, poetry, drama, and nonfiction. Students will continue to build on effective writing and research habits as they refine language arts skills which they will apply to writing, listening, speaking, and viewing.

## ADVANCED PLACEMENT SEMINAR

**Course Number: 23.0380001-Yearlong**

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas. Students will complete two performance tasks each semester: [1] write research reports to be synthesized into a team presentation and [2] develop written arguments to be presented as individual presentations with an oral defense. This is a prerequisite for AP Research. Students that score a 3 on AP Seminar, AP Research, and four other AP exams will earn an AP Capstone seal on their diploma.

## 11TH AMERICAN LITERATURE AND COMPOSITION

**Course Number: 23.0510000 - Yearlong**

American Literature and Composition is a study of the major literary topics, themes, and movements in the history of the United States from pre-colonial times to present day. Students will focus on major literary forms of the emerging nation, analyze literary themes and trends, and both research and compose several papers, speeches, and presentations, using representative forms of discourse.

## HONORS 11TH AMERICAN LITERATURE AND COMPOSITION

**Course Number: 23.0510040 - Yearlong**

The American Literature and Composition Honors course is a study of the major literary topics, themes and movements in the history of the United States from pre-colonial times to present day. Students will evaluate different texts from various time periods, analyze literary themes and trends in novels and other texts. Students will also research and compose several papers,

speeches, and presentations throughout the course of the year. This course has high expectations and more rigorous coursework, including mandatory summer reading and frequent writing assignments. Teacher recommendations are required. This course prepares the students for college level English courses.

## **ADVANCED PLACEMENT (AP) ENGLISH LANGUAGE AND COMPOSITION/ AMERICAN LITERATURE**

**Course Number: 23.0530010 - Yearlong**

This course is a study of rhetoric and the power of language, as well as a thematic study of significant works in American literature and genres of writing. Students must demonstrate mastery of written expression that includes analysis of authors' styles, including tone, diction, syntax, rhetorical patterns, and use of figurative language. The majority of works studied will be non-fiction. Students are required to complete summer assignments between their sophomore and junior year. The College Board administers a culminating assessment, including multiple-choice questions and free response composition that could result in earned college credits.

## **WORLD LITERATURE AND COMPOSITION**

**Course Number: 23.063000 - Yearlong**

Students read literature based on the universal human experience across culture and time, write extensively, and improve skills in critical listening, thinking, speaking and research. World Literature and Composition is a study of universal themes present in literature from ancient civilizations to modern cultures around the world. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts; to learn about universal themes common in literary works, including novels, short story, poetry, drama, and nonfiction; to establish effective writing and research habits; and to refine language skills as they apply to writing, listening, speaking, and viewing.

## **HONORS ADVANCED COMPOSITION**

**Course Number: 23.0340040 - Yearlong**

Teacher recommendation required. Appropriate for students who received at least an 80 in AP Lang or an 85 in 11th Honors American literature and composition. Advanced-level study of contemporary literature and informational texts, with a focus on different styles of writing. Students will study narrative, argument, literary and film criticism, research, speech, and synthesis writing. This course has high expectations and more rigorous course work.

## **ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION**

**Course Number: 23.0650000 - Yearlong**

This accelerated course designed by the College Board is enriching in experience; analytical and critical in reading, composition, and thought; and probing in self-awareness. The student delves into the study of a wide range of literary themes, genres, periods, and methods. Contemplative and organized vocal participation, skilled and highly polished writing, and meta-cognitive evaluation are required. Because of the given scope and sequence to the course, it is essential that training and practice in written literary analysis and expository writing form the foundation of the Advanced Placement course. Hence, evaluation is primarily, not solely, based on writing and speaking performance. Outside readings are an

integral part of the course as are prepared timed, or impromptu oral and written presentations.

## **JOURNALISM/NEWSPAPER 1, 2, 3**

**Course Number: 23.0320000 - Yearlong**

This year-long course is an introduction to newspaper writing and publishing. Students use computers to write and edit articles and to prepare layouts for the school newspaper, *The Chariot*, which is published monthly. All students must complete the application process through the English department.

## **ANNUAL/YEARBOOK 1, 2, 3**

**Course Number: 23.0320007 - Yearlong**

This course provides an introduction to the writing and layout of the high school yearbook, *Vantage Point*. Students must apply. Students must have computer and/or photography skills or be willing to be trained. Students must complete the application process through the English department.

## **CONTEMPORARY LITERATURE AND COMPOSITION**

**Course Number: 23.0660001 Semester - Juniors and Seniors only**

Students compare, contrast and evaluate modern texts, novels, poetry, drama and prose with contemporary Internet, television and film texts, and progressively incorporate and refine reading, writing, critical thinking, listening, oral presentation, and research skills. Contemporary Literature and Composition is a study of modern topics and themes as they appear in literary and informational texts and multi-media formats. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts; to learn about universal themes common in literary works including the novel, short story, poetry, drama, and nonfiction; to establish effective writing and research habits; and to refine language skills as they apply to writing, listening, speaking, and viewing.

## **SPEECH/FORENSICS (PUBLIC SPEAKING/DEBATE) 1, 2, 3, & 4**

**Course Number: 23.046000 -Yearlong**

The purpose of this course is to give students a strong background in multiple public speaking contexts. Students will work on effective presentation skills, as well as outlining, researching, and revising a variety of different types of speaking. In addition, the course will prepare students to be successful in competitive high school speech and debate activities by building on basic fundamentals learned as a novice speech/debate participant. Students will learn and practice the skills of advanced debate argumentation, including writing cases and blocks, refining files, structuring arguments, analyzing the current topic and developing effective methods of communication and refutation. Grading will be based on in class presentation as well as participation in class activities and discussion. This course is open to all grade levels, and in the future will be followed on the course pathway by Public Speaking/Debate 2, 3, and 4.

## DRAMATIC WRITING (FILM, TELEVISION, AND THEATRE)

**Course Number: 52.09200 - Yearlong**

Apply skills to culminate in creating and developing dramatic writing for theatrical media with special emphasis on film and television. Includes development of “writerly stance” by reading, viewing, and analyzing texts and visual media from a writer’s point of view, with focus on understanding the construction process and including the application of conventions of standard English grammar and usage. **Note: This course meets fourth English Language Arts core requirement. Embedded course: Students earn 1.0 credit of honors advanced composition.**

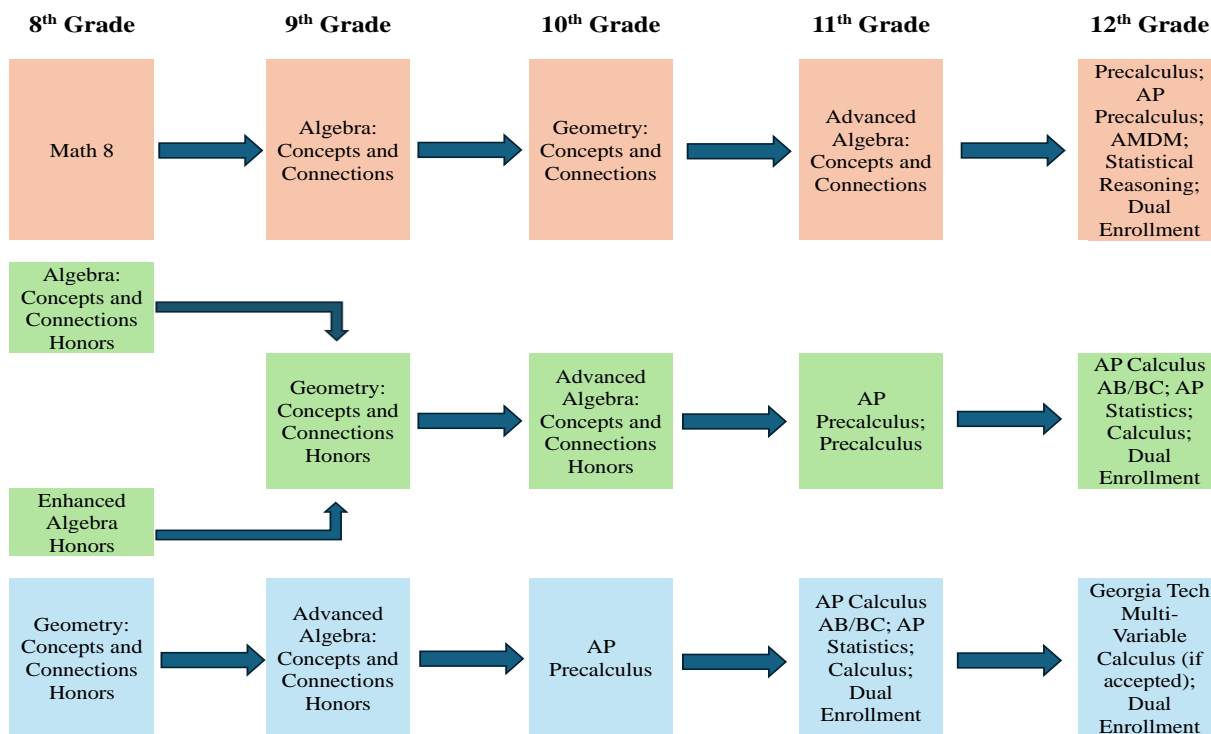
## MYTHOLOGY

**Course Number: 23.021000 - Semester**

This one-semester elective course introduces the importance of myths and tales of classical mythology, focusing on a comparative study of plot, characters, themes, and figurative devices. The course emphasizes the following: critical and analytical skills, vocabulary development, a study of the influences of Greek, Roman, and Norse word origins on the English language, and composition. The study of the relationship between people and their societies is a major emphasis, along with the impact of mythology on the literary world. Writing exploration through media literacy and viewing will be a focus in this course. This course reflects grade-level appropriate Georgia Standards of Excellence.

# MATHEMATICS

Graduation Requirement: 4 Credits



## ALGEBRA: CONCEPTS & CONNECTIONS

Course Number: 27.08110 - Yearlong

The first course in a sequence of three high school courses designed to ensure career and college readiness. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning. High school course content standards are listed by big ideas including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning.

**Prerequisite:** This course is designed for students who have successfully completed Kindergarten through 8th grade mathematics.

## ALGEBRA SUPPORT

**Course Number: 27.0981000 - Yearlong**

Students recommended for this course will complete the course concurrently with Algebra I. The content of this course supplements the Algebra I curriculum and provides students with additional review of basic math skills. This course is strongly recommended for students not meeting the standards set forth in 8<sup>th</sup> grade math. It is also encouraged for students who minimally met the standards, and for students who have historically needed support with math.

## GEOMETRY: CONCEPTS & CONNECTIONS

**Course Number: 27.090821 - Yearlong**

The second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability. High school course content standards are listed by big ideas including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning. **Prerequisite:** This course is designed for students who have successfully completed Algebra: Concepts & Connections.

## GEOMETRY: CONCEPTS & CONNECTIONS HONORS

**Course Number: 27.082101 - Yearlong - 9th Grade Only**

The second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability. High school course content standards are listed by big ideas including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning. **Prerequisite:** This course is designed for students who have successfully completed Algebra: Concepts & Connections.

## GEOMETRY SUPPORT

**Course Number: 27.0982000 - Yearlong**

Students recommended for this course will complete the course concurrently with Geometry. The content of this course supplements the Geometry curriculum and provides students with additional review of Geometry skills. This course is strongly recommended for students not meeting the standards set forth in Algebra 1. It is also encouraged for students who minimally met the standards, and for students who have historically needed support with math.

## ADVANCED ALGEBRA: CONCEPTS & CONNECTIONS

**Course Number:** 27.08310 - Yearlong

The third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. High school course content standards are listed by big idea, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning. In Advanced Algebra: Concepts & Connections, students will continue to enhance their data and statistical reasoning skills as they learn specific ways to collect, critique, analyze, and interpret data. Students will learn how to use matrices and linear programming to represent data and to solve contextually relevant problems. Students will strengthen their geometric and spatial reasoning skills as they learn how to solve trigonometric equations using the unit circle. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In Advanced Algebra: Concepts and Connections, students will further develop their functional and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, and rational expressions, equations, and functions to further understand the world around them.

**Prerequisite:** This course is designed for students who have successfully completed Geometry: Concepts & Connections.

## ADVANCED ALGEBRA SUPPORT

**Course Number:** 27.0983000 - Yearlong

Students recommended for this course will complete the course concurrently with Advanced Algebra. The contents of this course supplements the Advanced Algebra curriculum and provide students with additional review Advanced Algebra skills. This course is strongly recommended for students not meeting the standards set forth in Geometry and/or Algebra 1. It is also encouraged for students who minimally met the standards, and for students who have historically needed support with math.

## ADVANCED ALGEBRA: CONCEPTS & CONNECTIONS HONORS

**Course Number:** 27.083104 - Yearlong - 9th and 10th Grade Only

The third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. High school course content standards are listed by big idea, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning. In Advanced Algebra: Concepts & Connections, students will continue to enhance their data and statistical reasoning skills as they learn specific ways to collect, critique, analyze, and interpret data. Students will learn how to use matrices and linear programming to represent data and to solve contextually relevant problems. Students will strengthen their geometric and spatial reasoning skills as they learn how to solve trigonometric equations using the unit circle. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In Advanced Algebra: Concepts and Connections, students will further develop their functional and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, and rational expressions, equations, and functions to further understand the world around them.

**Prerequisite:** This course is designed for students who have successfully completed Geometry: Concepts & Connections Honors.

## ENHANCED ADVANCED ALGEBRA AND AP PRECALCULUS: CONCEPTS AND CONNECTIONS

**Course Number: 27.09310 - Yearlong**

This course is a thoughtful blend of the topics from Advanced Algebra: Concepts & Connections and Precalculus. This is a single credit course, intended to provide students the opportunity to develop a deeper understanding of mathematical concepts that are critical to the study of advanced fourth mathematics course options, including Calculus. Students will continue to enhance their understanding of data and statistical reasoning, functional and graphical reasoning, patterning and algebraic reasoning, and geometric and spatial reasoning. There should be an emphasis on notational fluency and the use of multiple representations as students engage with all topics. Some of those topics include, sequences and series with the incorporation of convergence and divergence; conic sections as implicitly defined curves; the six trigonometric functions and their inverses; applications of trigonometry such as modeling periodic phenomena, modeling with vectors and parametric equations, solving oblique triangles in contextual situations, graphing in the Polar Plane; solutions of trigonometric equations in a variety of contexts; and the manipulation and application of trigonometric identities. In previous courses, students studied how to use linear and quadratic functions to model real life phenomena.

In the Enhanced Advanced Algebra and AP Precalculus: Concepts and Connections course, students will further develop their algebraic, functional, and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, piecewise and rational expressions, equations, and functions to further understand the world around them. Topics should be analyzed in multiple ways, including verbal, and written, numerical, algebraic, and graphical presentations. Instruction and assessment should include the appropriate use of technology. Concepts should be investigated and applied, where appropriate, within the context of realistic phenomena. **Prerequisite:** This course is designed for students who have successfully completed Geometry: Concepts & Connections. \*Department Chair approval is required.\*

## PRECALCULUS

**Course Number: 27.08410 - Yearlong**

A fourth-year mathematics course option for students who have completed Advanced Algebra: Concepts and Connections (or the equivalent). The course is intended to provide students with opportunities to develop a deeper understanding of Algebraic concepts that are critical to the study of Calculus. Students will also deepen their understanding of trigonometry and its applications. Throughout the Precalculus course there should be a focus on notational fluency and the use of multiple representations. The course includes the study and analysis of piecewise and rational functions; limits and continuity as related to piecewise and rational functions; sequences and series with the incorporation of convergence and divergence; conic sections as implicitly defined curves; the six trigonometric functions and their inverses; applications of trigonometry such as modeling periodic phenomena, modeling with vectors and parametric equations, solving oblique triangles in contextual situations, graphing in the Polar Plane; solutions of trigonometric equations in a variety of contexts; and the manipulation and application of trigonometric identities. Topics should be analyzed in multiple ways, including verbal, and written, numerical, algebraic, and graphical presentations. Instruction and assessment should include the appropriate use of technology. Concepts should be introduced and investigated, where appropriate, in the context of realistic phenomena. **Prerequisite:** This

course is designed for students who have successfully completed Advanced Algebra / Algebra II.

## AP PRECALCULUS

**Course Number:** 27.074104 - Yearlong

AP Precalculus centers on functions modeling dynamic phenomena and focuses on the development of a deep conceptual understanding of functions. The exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other math and science courses. Topics will include polynomial, rational, exponential, logarithmic, trigonometric and polar functions, as well as functions involving parameters, vectors, and matrices. **Prerequisite:** 80% or higher in Honors Advanced Algebra. High A average and teacher recommendation in Advanced Algebra

## CALCULUS

**Course Number:** 27.07800 - Yearlong

A fourth-year mathematics course option for students who have completed Precalculus or the Enhanced Advanced Algebra Concepts and Connections and Precalculus course.

The course provides students with the opportunity to develop an understanding of the derivative and its applications as well as the integral and its applications.

Throughout the course there should be a focus on notational fluency and the use of multiple representations. The Calculus course includes the study and analysis of limits and continuity as applied to a variety of functions; the derivative as related to limits and continuity; various derivative rules such as product, quotient, and chain; applications of the derivative including curve analysis, applied max/min situations, related rate problems, and use of Mean Value Theorem; the definite integral as a limit of Riemann sums; properties of definite integrals; the Fundamental Theorem of Calculus as it relates derivatives and integrals; techniques of integration including u-substitution; and applications of the integral including solving separable differential equations, finding a particular solution curve given an initial condition, area between curves on a coordinate plane, and average value situations. Topics should be analyzed in multiple ways, including verbal, and written, numerical, algebraic, and graphical presentations. Instruction and assessment should include the appropriate use of technology. Concepts should be introduced and investigated, where appropriate, in the context of realistic phenomena. **Prerequisite:** This course is designed for students who have successfully completed Pre-Calculus.

## ADVANCED MATHEMATICAL DECISION MAKING (AMDM)

**Course Number:** 27.08500 - Yearlong

A fourth-year mathematics course option designed to follow the completion of Advanced Algebra: Concepts and Connections. Students will enhance their understanding of concepts explored in the context of real-life phenomena. The intent of this course is for students to combine their understanding of multiple mathematical concepts as they explore and solve real-world mathematical problems. Students will investigate applications of mathematics in a variety of contexts, including business and financial decision-making, earning, investing, spending, and borrowing money, using functions to model problem situations in both discrete and continuous relationships, and using ratios, rates, and percentages to solve problems. Instruction and assessment should include the appropriate use of manipulatives and technology. Topics should be represented in multiple ways, such as concrete/pictorial, verbal/written, numeric/data-based, graphical, and symbolic. Concepts should be introduced and applied, where appropriate, in the context of realistic phenomena. **Prerequisite:** This course is designed for students who have successfully completed Advanced Algebra.

## ADVANCED PLACEMENT CALCULUS AB

**Course Number:** 27.0720010 Yearlong

Topics in AP Calculus AB include limits and their properties; derivatives and differentiation applications; anti-derivatives and indefinite integration; area and definite integrals; integration by substitution; the trapezoidal rule; logarithmic, exponential and other transcendental functions; applications and methods of integration; miscellaneous topics in Calculus AB. All problems are solved from four perspectives—numerically, analytically, graphically, and verbally. This course follows the College Board curriculum framework for AP Calculus AB and is equivalent to a college-level Calculus I course. **Prerequisite:** AP Precalculus

## ADVANCED PLACEMENT CALCULUS BC

**Course Number:** 27.0730010 - Yearlong

This course follows the College Board syllabus for the AP exam and is a college level mathematics course. This course covers two semesters of college calculus. Calculus is the mathematics of change and motion and the concepts are based on infinite process. AP Calculus examines problems in 4 ways: graphically, numerically, analytically, and in written expression. Topics of AP Calculus AB are covered and additional topics covered in BC Calculus include vector functions, parametric equations, conversions, parametrically defined curves, tangent lines, sequences and series, integration techniques, and calculus of polar equations. All students enrolled in AP Calculus BC are required to take the AP Examination in May if they are passing this course prior to the AP Examinations. **Prerequisites:** AP Precalculus

## ADVANCED PLACEMENT STATISTICS

**Course Number:** 27.0740010 - Yearlong

This course follows the course description written by the College Board, culminating in the Advanced Placement Examination in Statistics. This is a college level mathematics course. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1 Exploring Data: observing patterns and departures from patterns 2 Planning a Study: Deciding what and how to measure 3 Anticipating Patterns: Producing models using probability and simulation 4 Statistical Inference: Confirming models. It is important to understand that students must be able to explain their answers using arguments, graphs, and statistical skills that they will learn in the course. All students enrolled in AP Statistics are required to take the AP Examination in May. **Prerequisite/Corequisite:** Precalculus or AP precalculus

# SCIENCE

Graduation Requirement: 4 Credits

1 credit must be Biology; 1 credit must be Physical Science OR Physics; 1 credit must be Chemistry, Earth Systems, Environmental Science or an AP course.

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Honors Biology</b> > 85(w/o honors points) and > 85 in H. algebra or <90 in algebra <b>Biology</b> >95 and >90 in algebra	Honors Chemistry >85( w/o honors points) and > 85 in H. Algebra II	AP Physics 1 Physics AP Chemistry	AP Physics 1 Physics AP Chemistry
<b>Honors Biology</b> < 85(w/o honors points) and < 85 in H. algebra or <85 in algebra <b>Biology</b> >85 Biology and 85 in algebra	Chemistry >80 in Chemistry and >80 in Geometry	AP Biology AP Environmental Science Honors Human Anatomy Honors Organic Chemistry** (AP Chemistry not a required pre-req but helpful)	AP Biology AP Environmental Science Honors Human Anatomy Forensic Science Astronomy Honors Organic Chemistry** (AP Chemistry not a required pre-req)
<b>Biology</b> >70 in Biology or Honors Biology	Environmental Science Physical Science	Physics Physical Science (only if chemistry is failed)	Physical Science Astronomy Forensic Science Human Anatomy Environmental Science

## BIOLOGY

Course Number: 26.0120000 - Yearlong

Biology is a year-long course in which the student will develop scientific process skills and laboratory skills. Students will also develop an understanding of the nature of biology, biochemistry, cytology (cell structure, function, transport, energy), genetics, evolution, the diversity of life (classification system), and ecology. **Generally taken as a Freshman.**

## HONORS BIOLOGY

Course Number: 26.0120040 - Yearlong

Honors Biology is a course designed for the advanced academic student who has the ability to problem solve, critically read and analyze, and has strong organizational skills. Students must have a strong foundation in laboratory skills as well. This challenging course focuses on the nature of biology, biochemistry, cytology, ecology, genetics, evolution, and taxonomy at a faster pace and in more depth than Biology. **Prerequisite:** Teacher recommendation.

## PHYSICAL SCIENCE

**Course Number: 40.0110000 - Yearlong**

This course explores the physical aspects of the world. Topics covered include an understanding of the atom; nature, classification and naming of matter; characteristics and components of radioactivity; arrangements of the Periodic Table; phases of matter and molecular motion; properties of solutions; transformations and flow of energy; force, mass and motion; properties of waves; properties of electricity and magnetism.

## CHEMISTRY

**Course Number: 40.0510000 - Yearlong**

Topics covered will include the nature of matter and its classifications; atomic theory and the characteristics of atoms; the effects the motion of atoms and molecules have in chemical and physical processes; the organization of the periodic table and how to use it to predict properties of elements; how atoms combine to make chemicals and then recombine in chemical reactions; factors that can affect chemical reactions; characteristics of acids, bases, and solutions; other topics as time allows. **Prerequisite:** Biology or Honors Biology

## HONORS CHEMISTRY

**Course Number: 40.0510040 - Yearlong**

Skills needed for this course are the ability to apply past learning to new concepts; the demonstration of abstract and higher level thinking; the ability to perform algebraic manipulations easily; the ability to read critically; self-motivation; and experience in writing formal lab reports. Topics covered will include the nature of matter and its classifications; atomic theory and the characteristics of atoms; the effects the motion of atoms and molecules have in chemical and physical processes; the organization of the periodic table and how to use it to predict properties of elements; how atoms combine to make chemicals and then recombine in chemical reactions; factors that can affect chemical reactions; characteristics of acids, bases, and solutions; other topics as time allows. **Co-requisite: Advanced Algebra**

## PHYSICS

**Course Number: 40.0810000 - Yearlong**

The course provides students with the necessary knowledge and skills in physics. Physics extends the physical sciences to more abstract concepts including interactions of matter and energy, velocity, acceleration, forces, energy, momentum, thermodynamics, charge, electricity, magnetism, waves, light, optics, and subatomic physics. The subject is treated both conceptually and mathematically. Concepts are investigated through laboratory experiences and fieldwork designed for students to develop appropriate knowledge and skills in science as inquiry. **Prerequisite:** Chemistry or Physical Science with a teacher recommendation.

## ENVIRONMENTAL SCIENCE

**Course Number: 26.0611000 - Yearlong**

Environmental Science integrates the study of many components of our environment, including the flow of energy and the cycling of matter, the interconnection of all life, the stability and change in ecosystems, conservation and resource allocation, and evaluation of human activity and technology. Instruction focuses on student data collection and analysis and interpretation of data gathered on global concepts. **Prerequisite:** Biology or Honors Biology

## AP ENVIRONMENTAL SCIENCE

**Course Number:** 26.4620010 - Yearlong

This year-long course is designed to be the equivalent of a one semester introductory college course in environmental science. It provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The following themes constitute this environmental science course: science is a process; energy conversions underlie all ecological processes; the earth itself is one interconnected system; humans alter natural systems; environmental problems have a cultural and social context; and human survival depends on developing practices that will achieve sustainable systems. The three-hour exam is divided equally between the multiple-choice section and a free-response, which emphasizes the application of principles in greater depth. **Prerequisite:** Biology, Chemistry, and earned 80% or higher one of these 2 courses.

## HUMAN ANATOMY

**Course Number:** 26.0730000—Yearlong

This year-long course is an in-depth study of the human body. Students investigate the systems of the body in detail. This course is valuable for students interested in allied health careers, psychology, and physical education. Students will be expected to dissect organs and animals. **Prerequisite:** Biology

## HONORS HUMAN ANATOMY AND PHYSIOLOGY

**Course Number:** 26.0730040 - Yearlong

This year-long course is an in-depth study of the human body designed for the advanced academic student who has the ability to critically analyze/apply biological concepts, gain information on the scientific processes through critical reading and possesses strong organizational skills. Students investigate the systems of the body in detail. This course is valuable for students interested in allied health careers, psychology, and physical education. Students will be expected to dissect organs and animals. **Prerequisite:** Biology/Honors Biology and Chemistry/Honors Chemistry

## ASTRONOMY

**Course Number:** 40.0210000 - Yearlong

This year-long course is an introduction to the concepts of modern astronomy, the origin and history of the Universe and the formation of the Earth and the solar system. Students will compare the Earth's properties with those of the other planets and explore how the heavens have influenced human thought and action. The course gives a description of astronomical phenomena using the laws of physics. The course treats many standard topics including planets, stars, the Milky Way and other galaxies, black holes to more esoteric questions concerning the origin of the universe and the evolution and fate.

**Prerequisite:** Biology or Honors Biology

## FORENSIC SCIENCE

**Course Number:** 40.0930000 - Yearlong

The Forensic Science curriculum is designed to build upon science concepts and to apply science to the investigation of crime scenes. It serves as a fourth year of science for

graduation. Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence. This is a case-based course emphasizing inquiry learning.

**Prerequisites:** Biology and Chemistry or Physical Science

## **ADVANCED PLACEMENT BIOLOGY**

**Course Number:** 26.4140010 - Yearlong

AP Biology is a year-long course is equivalent of a college-level introductory biology course, usually taken by biology or Pre-med majors during their first year of college. This is a skills-based course, where students must demonstrate an understanding of advanced topics through application in laboratory and written scenario settings. Students must be able to problem-solve and critically examine content in order to apply topics in biochemistry, cell biology, genetics I & II, taxonomy, evolution, ecology, human development and body systems. The Advanced Placement Course extends content from introductory Biology courses and covers this content at a very quick pace. Relevant content covered in Chemistry, Physics, Statistics and Algebra courses applied in biological situations. Students take a comprehensive College Board Advanced Placement exam at the end of the year.

**Prerequisites:** Biology, Chemistry, Algebra I, Geometry

## **ADVANCED PLACEMENT CHEMISTRY**

**Course Number:** 40.4530010 - Yearlong

This course provides students the opportunity to attain a depth of understanding of fundamentals and a reasonable competence to deal with chemical problems that a typical freshman is learning in a college level course. In order to be successful, students need strong problem solving and critical thinking skills. The course also develops the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. An extensive laboratory experience is provided for all Advanced Placement Chemistry students.

**Prerequisite:** Biology, Honors Chemistry, and unweighted 85% or higher in Advanced Algebra should be taking pre-calculus or higher while taking this course.

## **ADVANCED PLACEMENT PHYSICS 1: ALGEBRA-BASED**

**Course Number:** 40.083100 -Yearlong

This course is the equivalent to a first semester college course in algebra-based physics, but utilizes a great deal of conceptual short answer questions as well. The course covers Newtonian mechanics including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. We will add a small amount of content to give a little bit broader exposure to physics topics and make sure students who choose to take Physics again the following year are prepared with basic electricity principles. No exposure to Physics is required.

**Recommended prerequisites:** Honors Biology, Honors Chemistry, Honors Math.

## **ADVANCED PLACEMENT PHYSICS C**

**Course Number -** 40.4840010 - Yearlong

This is a "second year" physics course, which is taken concurrently with Calculus or with previous calculus experience. It is designed for students who intend to specialize in engineering or physical sciences. The first semester is equivalent to a collegiate calculus-

based, one semester classical mechanics course. The second semester is equivalent to a collegiate calculus-based, one semester electricity and magnetism course. There are two separate AP exams given at the end of the year, each 90 minutes long (45 minutes for multiple choice and 45 minutes for free response). Prerequisites: Biology, Chemistry, Physics, Teacher Advisement.

**Prerequisite:** AP Physics **Recommended Co-requisite:** AP Calculus AB or higher.

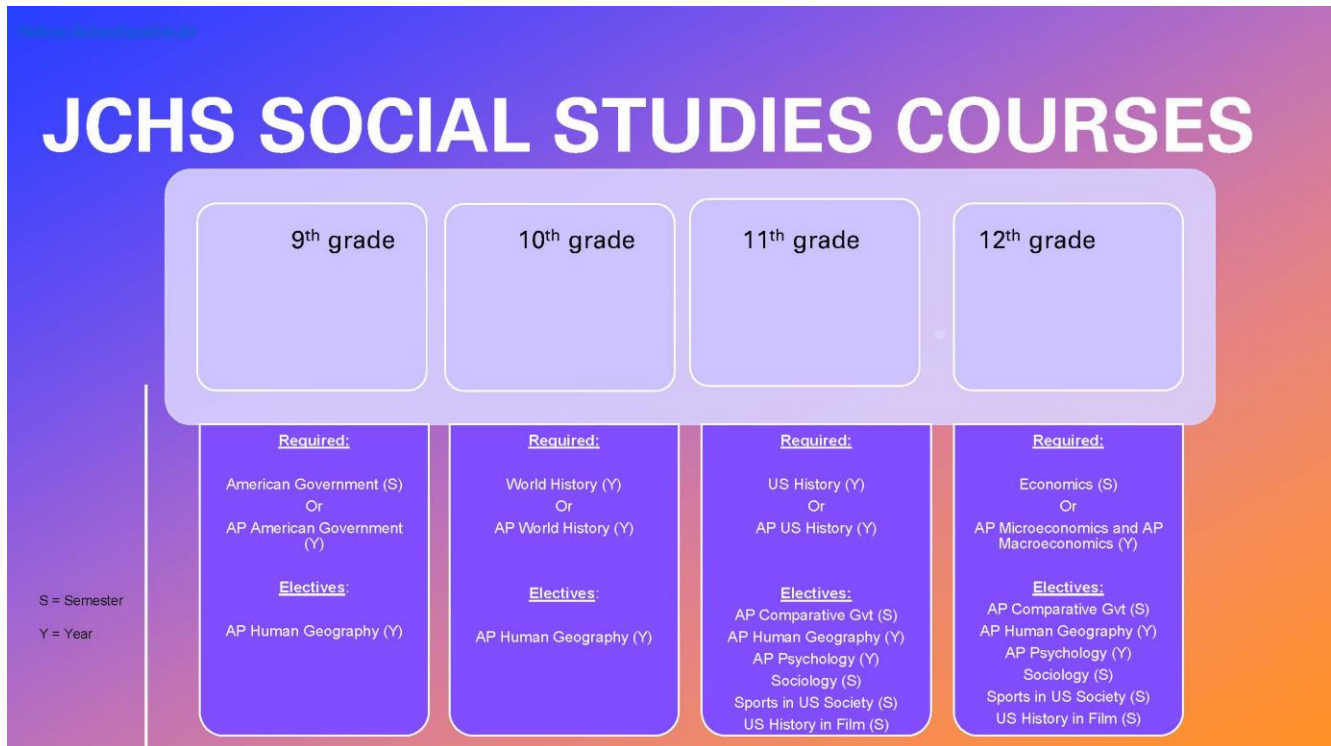
## **HONORS ORGANIC AND BIOCHEMISTRY**

**Course Number - 40.052004 - Yearlong**

Fall: Organic Chemistry is a foundational Chemistry Course on the structure, properties, composition, reactions, and preparation of carbon-containing compounds. The class covers many aspects including drawing and naming of carbon compounds, functional groups (aliphatic and aromatic compounds, alcohols, haloalkanes, ethers, aldehydes, ketones, carboxylic acids, amines, amides, etc.), hybrid orbital bonding and reaction mechanisms. Chemistry II Spring: Biochemistry explores chemical processes related to living organisms. The class covers carbohydrates, proteins, nucleic acids & fats in detail, dissects complex metabolic processes including respiration & photosynthesis, and addresses nutrition, all with a laboratory-based focus.

# SOCIAL STUDIES

Graduation Requirement: 3 Credits



## AMERICAN GOVERNMENT/CIVICS

**Course Number: 45.0570005 - Semester**

American Government focuses on the political structure and decision-making process in the United States at the local, state and national level. It will address citizenship and helps develop problem-solving skills. The course includes specific facts, basic concepts, analytical questions and generalizations associated with the U.S. Constitution, federal government, democracy, politics, laws, international affairs and the rights and responsibilities of citizens. Students will gain a working knowledge of the political system in the United States and understand their role as active participants in the formation of public policy. This course is required for graduation and is typically completed in the 9th grade.

## WORLD HISTORY

**Course Number: 45.0830000 - Yearlong**

World History traces the development of civilization from its beginning to the modern day. Students will identify the basic elements of civilizations and trace the transition from the ancient world to the modern. Students will gain knowledge of geography, recognize patterns and connections, and practice critical thinking skills. A strong emphasis is placed on relating historical events to current conditions. Throughout the school year students will gain a global perspective of the events that helped create the society in which they live today. This course is required for graduation and is typically completed in the 10th grade.

## UNITED STATES HISTORY

**Course Number: 45.0810000 - Yearlong**

United States History is organized chronologically but it also focuses on themes of American democratic heritage, reform movements, and global interdependence. In the first semester, connections are made with the enduring social, economic, and political issues covering the settlement of North America through the early twentieth century. The semester includes an exploration of the development of and challenges to democracy as well as an analysis of national growth and reform. Second semester focuses on the emergence of the US as a world power, its participation in the World Wars and the cold war, social change, and the role of the US in the modern world. **This course includes a state mandated End of Course Test (EOC) that accounts for 20% of the second semester grade.** This course is required for graduation and is typically completed in the 11th grade.

## PERSONAL FINANCE AND ECONOMICS

**Course Number: 45.0610001 - Semester long**

In addition to the fundamentals of economic decision-making, microeconomics, macroeconomics, and international economics, students will learn personal finance skills they can apply to their own futures - including managing and balancing budgets; understanding and building credit; protecting against identity theft and consumer protections; and understanding tax forms, student loan applications, and pay stubs. Economics is the study of how individuals, businesses, and governments make decisions about the allocation of scarce resources. This course provides students with a foundation in the field of economics, with a specific focus on how students can apply that knowledge to their own personal finances. This course is required for graduation and is typically completed in the 12th grade.

## ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS

**Course Number: 45.0520011 - Yearlong**

This course introduces students to the high school AP program. The course is designed to assist students in becoming knowledgeable about the Constitution, the varied political beliefs and behaviors that have shaped U.S. government and the role of political parties and interest groups. It also looks at the organization and powers of Congress, the Presidency, the bureaucracy and the federal courts and the development of civil rights. This course satisfies the US Government requirement and is typically completed in the 9th grade.

## ADVANCED PLACEMENT WORLD HISTORY

**Course Number: 45.0811010 - Yearlong**

The purpose of this course is to develop students' understanding of the patterns and effects of interaction and change among societies and regions; the effects of technology, economics and demography on people and the environment; systems of social structure; cultural, intellectual and religious developments; and changes in the function and structure of states and political identities. Periodization forms the organizing principle for dealing with change and continuity throughout the course. This course uses a college level text and requires extensive reading outside of class, writing skills, and that students use higher order thinking skills to synthesize the curriculum. This course satisfies the World History graduation requirement and is typically completed in 10<sup>th</sup> grade.

## ADVANCED PLACEMENT U.S. HISTORY

**Course Number: 45.0820010 - Yearlong**

The Advanced Placement course in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The class prepares students for intermediate and advanced college courses. Students will learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. Advanced Placement United States History pushes students to develop the skills necessary to arrive at conclusions based on informed judgments and to present reasons and evidence clearly and persuasively in essay format. This course uses a college level text and requires extensive reading outside of class, writing skills, and that students use higher order thinking skills to synthesize the curriculum. This course satisfies the US History graduation requirement and is typically completed in 11<sup>th</sup> grade.

## ADVANCED PLACEMENT MICROECONOMICS/MACROECONOMICS

**Course Number: 45.0630011 - Semester - 12th grade Only - Part of a year-long economics class with AP Macroeconomics**

The Advanced Placement course in macroeconomics focuses on the economy as a whole, with emphasis on national income accounting, economic performance measures, and international economics. While the Advanced Placement course in microeconomics focuses on the economic principles that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. Microeconomic topics include the functioning of individuals in the marketplace, the function of product markets, factor markets, and the role of the government in promoting greater efficiency and equity in the economy. This satisfies the economics graduation requirement.

## ADVANCED PLACEMENT HUMAN GEOGRAPHY

**Course Number: 45.0770010 - Yearlong - all grade levels**

This in-depth course focuses on the cultures, practices, and contributions of various countries and their cultures. As they learn about humankind's relationship with its environment, students study about such topics as: population patterns; cultural similarities and differences; political boundaries; urban growth; and the modern agricultural revolution. **This course is an academic elective.**

## ADVANCED PLACEMENT PSYCHOLOGY

**Course Number: 45.0160010 - Yearlong - Juniors and Seniors only**

This course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students learn about the major subfields of psychology including research methodology; the biological basis of behavior; sensation and perception; learning; cognition; motivation and emotion; developmental psychology; personality; intelligence; and abnormal psychology. The various units of this multi-disciplinary study require that students be able to understand concepts from both a hard science and social science perspective. Critical thinking and excellent writing skills are a must. **This course is an academic elective.**

## **ADVANCED PLACEMENT GOVERNMENT/POLITICS: COMPARATIVE**

**Course Number: 45.0530011 - Semester - Juniors and Seniors only**

The AP course in Comparative Government and Politics is a college level course which introduces students to six specific countries and their governments: China, Great Britain, Iran, Mexico, Nigeria, and Russia. Students will explore major concepts in comparative politics, such as institutional structure, democratization, and globalization, and apply these to six modern nations. The process of comparing governments provides an in-depth examination of global problems and proposed solutions. For example, this course compares the effectiveness of policy approaches to poverty or overpopulation by examining how different countries solve similar problems. The political institutions and practices of these six nations will be analyzed, and major world challenges of the 21st Century will be explored in this class. **This course is an academic elective.**

## **SOCIOLOGY**

**Course Number: 45.0310003 - Semester - Juniors and Seniors only**

Sociology is the systematic study of the development, structure, interaction, and collective behavior of organized groups of human beings. Students will be introduced to a new way of critically thinking about and analyzing society called the sociological perspective. Key topics include the study of culture and social structure; socialization and deviance; social institutions such as family, education, religion, economy, government, health care, and media; sociological research methods; and social inequalities and change. Students will also investigate contemporary influences on society, such as sports, social media, race, and technology including exploring current social issues and problems facing our society. **This course is an academic elective.**

## **SPORTS IN US SOCIETY**

**Course Number: 45.0190000 - Semester - Juniors and Seniors preferred, mature Sophomores may be considered.**

The Sports in United States Society course examines the vital sociological role of sport in the making of United States society and culture, and vice-versa. The course analyzes the reasons for and popularity of youth, high school, collegiate, and professional sports and the interrelationship between sports and other social institutions, such as the economy, education, media, and politics. Inequalities and deviance in society that are reflected in sports are discussed, along with social progress championed through sports. Current issues and controversies in sports that are a microcosm of society are also presented. **This course is an academic elective.**

## **US HISTORY THROUGH FILM**

**Course Number: 45.0812001 - Semester - Juniors and Seniors only**

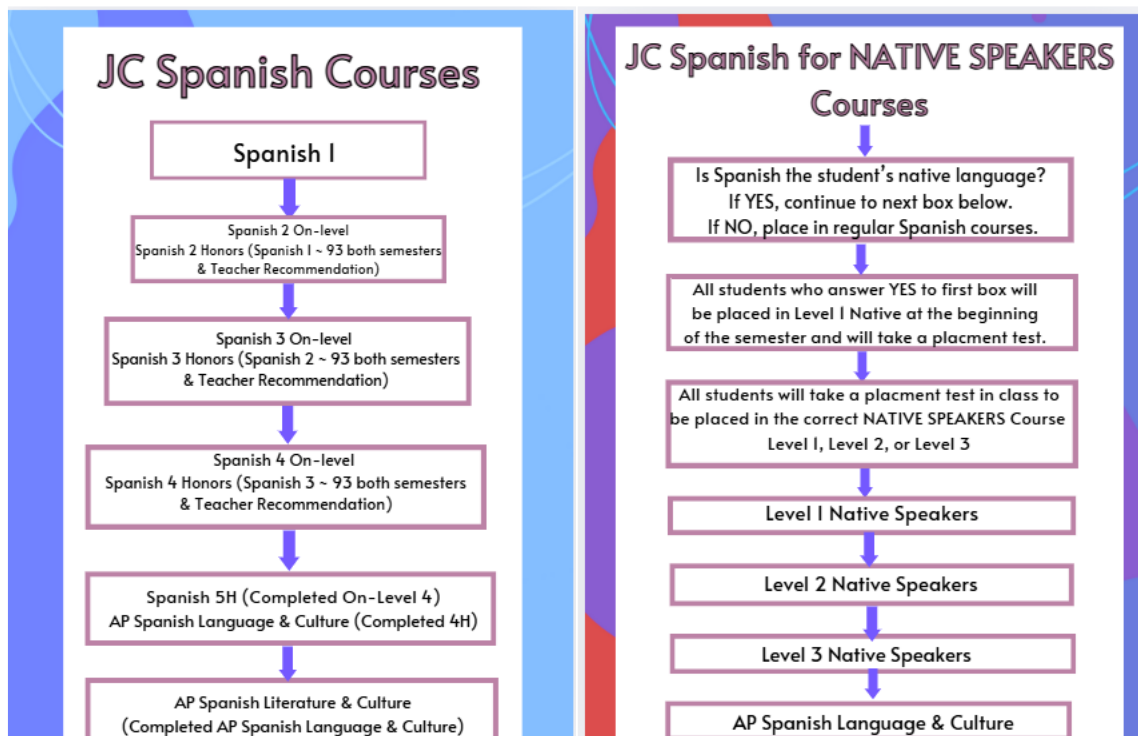
Movies throughout the age of film have sought to entertain and teach. This course will investigate and evaluate films about American History based on their accuracy and their role as historical evidence. A major goal of this course is determining what is valid in contemporary films and historical dramas and what these films say about the people who create them, the politics behind their creation, and how they reflect the values, ideas, and larger historical issues of the times in which they were created.

Students in this course will 1) view movies on various historical topics, 2) participate in discussion about the values and limitations of film in conveying history 3) compare film evidence to information in more traditional sources, such as articles, textbooks, and critical commentaries, 4) and compare multiple films on the same topic to examine different points of view. **This course is an academic elective. Some of the films viewed in this course will be rated “R”. Parental permission is required to take this course.**

## WORLD LANGUAGES

Minimum of 2 years of the same World Language is required for the admission to the majority of 4-year colleges/universities, but more is recommended.

## SPANISH COURSES



### SPANISH 1

**Course Number: 60.0710000 - Yearlong**

Students work towards the year-end goal of achieving novice high listening, reading, writing and novice mid speaking levels. (Students can understand, exchange, and present information about familiar topics using phrases, simple sentences, and short paragraphs. In a Spanish-speaking culture, students can interact at a survival level in a few familiar contexts.) Topics used to achieve these levels include greetings, school, family, pastimes, travel, and vacation. No prior knowledge of the language or culture is necessary or assumed.

**Prerequisite(s):** None

## SPANISH 2

### Course Number: 60.0720000 - Yearlong

Students work towards the year-end goal of achieving intermediate low listening, reading, & writing and novice high speaking levels. (Students can understand, exchange, and present information about an expanded variety of familiar topics and in present and past tenses using complex sentences and short paragraphs. In a Spanish-speaking culture, students can interact at a basic functional level in some familiar contexts.) Topics used to achieve these levels include shopping, daily routines, food and celebrations, health, and technology.

**Prerequisite(s):** Spanish 1 & Teacher Recommendation

## SPANISH 2 HONORS

### Course Number: 60.0720040 - Yearlong

Students work towards the year-end goal of achieving intermediate low listening, reading, writing, and speaking levels. (Students can understand, exchange, and present information about an expanded variety of familiar topics and in present and past tenses using complex sentences and short paragraphs. In a Spanish-speaking culture, students can interact at a functional level in some familiar contexts.) Topics used to achieve these levels include shopping, daily routines, food and celebrations health, and technology. Beginning preparation for AP Spanish.

**Prerequisite(s):** Spanish 1 with a 93 or higher both semesters & Teacher Recommendation

## SPANISH 3

### Course Number: 60.0730000 - Yearlong

Students work towards the year-end goal of reaching intermediate mid listening, reading, and intermediate low speaking levels. (Students can understand, exchange, and present information about a wide variety of topics and in several time frames using complex sentences and long paragraphs. In a Spanish-speaking culture, students can interact at a functional level in some familiar contexts.) Topics used to achieve these levels include home, food, health, technology, city life, professions, environment, and the arts.

**Prerequisite (s):** Spanish 1, 2 & Teacher Recommendation

## SPANISH 3 HONORS

### Course Number: 60.0730040 - Yearlong

Students work towards the year-end goal of reaching intermediate mid listening, reading, and speaking levels. (Students can understand, exchange, and present information about a wide variety of topics and in several time frames using complex sentences and long paragraphs. In a Spanish-speaking culture, students can interact at a functional level in multiple familiar contexts.) Topics used to achieve these levels include home, food, health, technology, city life, professions, environment, the arts, and current events. Continued preparation for AP Spanish.

**Prerequisite(s):** Spanish 2 Honors or Spanish 2 on-level with a 93 or higher both semesters & Teacher Recommendation

## SPANISH 4

**Course Number:** 60.0740000 **Term:** Yearlong

This course is primarily a culture and conversation class, with the class being conducted almost entirely in Spanish. Continued emphasis is on communicative skills. Students are encouraged to be able to understand and use the target language, both orally and written. Literary works related to social issues & communities, as well as cultural roles is presented. The students are exposed to various and diverse Hispanic & Spanish Literature, media, music, culture, idiomatic expressions, current affairs, among other topics. Some activities include Internet Web Quests, picture sequence, portfolios, performance-based assessments and alternate assessments, etc.

**Prerequisite(s):** Spanish 1, 2, 3 & Teacher Recommendation

## SPANISH 4 HONORS

**Course Number:** 60.0740040 - Yearlong

Students work towards the year-end goal of reaching enriched intermediate mid listening, reading, writing, and speaking levels. (Students can understand, exchange, and present information about a wide variety of concrete and abstract topics in several time frames using complex sentences, paragraphs, and essays. In a Spanish-speaking culture, students can interact at a very functional level in multiple familiar contexts.) Sample topics include immigration, the Spanish Civil War, and health care in Spanish-speaking countries, art and architecture, literature, and family culture. In final preparation for AP Spanish Language and Culture, the course provides intense development of communicative and cultural competence and requires near-exclusive use of Spanish in class.

**Prerequisite(s):** Spanish 1, 2 Honors, 3 Honors, or Spanish 3 with a 93 or high both semesters & Teacher Recommendation

## ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE

**Course Number:** 60.0770010 - Yearlong

This college-level course provides intense preparation for the AP Spanish Language and Culture exam by using authentic resources; students work towards the year-end goal of intermediate high listening, reading, writing, and speaking. (Students can understand, exchange, and present information about a wide variety of abstract and culturally relevant topics and in many time frames and registers using complex sentences, paragraphs, and essays. In a Spanish-speaking culture, students can interact at a competent level in familiar and some unfamiliar contexts). College Board themes used to promote success include global challenges, science and technology, contemporary life, families and communities, identities, and beauty. Exclusive use of Spanish in class.

**Prerequisite:** Spanish 4H or Native Speakers Lv3 & Teacher Recommendation

## SPANISH 5 HONORS

**Course Number:** 60.0760040 - Yearlong

This course integrates a systematic review of first through fourth year concepts. Continued emphasis on communication skills is stressed, and integration of cultural information pertaining to the designated topics of this course occurs in skill areas where appropriate. Emphasis is placed on sharpening speaking, listening, reading and writing skills in preparation for college placement.

**Prerequisite(s):** Spanish 4H or Spanish 4 with a 93 or higher both semesters & Teacher Recommendation

## ADVANCED PLACEMENT SPANISH LITERATURE & CULTURE

**Course Number:** 60.0760040 -Yearlong

This college-level course provides intense preparation for the AP Spanish Literature and Culture exam using authentic Spanish-language literature from many time periods and Spanish-speaking countries. With the year-end goal of enriched intermediate high listening, reading, writing, and speaking, students read short stories, novels, poetry, plays, and essays from authors such as Cervantes, Tirso de Molina, Heredia, Unamuno, Darío, Borges, Garcia Marquez, and Allende, making cultural connections with each work. Students explore the College Board themes of Societies in Contact, Construction of Gender, Time and Space, Literary Creation, Interpersonal Relationships, and Dual Nature of Being. Exclusive use of Spanish in class. **Prerequisite:** Spanish 4H, AP Spanish Lang

## SPANISH FOR NATIVE SPEAKERS Lv.1

**Course Number:** 60.0790001/2 - Yearlong

Designed for heritage learners of Spanish, this course can accommodate students from a wide range of backgrounds, from those who are minimally functional to those who are more proficient and/or literate in Spanish. This course focuses on the development of communicative competence in reading, writing, speaking and listening. and viewing, as well as on understanding Hispanic cultures and issues of identity of heritage speakers of Spanish in the United States. Students will also develop an awareness and understanding of Hispanic cultures, including language variation, customs, geography, history, and current events.

During this course, students will gain confidence using Spanish to express their own thoughts on social and academic themes, interact with other speakers of the language, understand oral and written messages, make oral and written presentations, reflect on language variation, and critically view and evaluate media resources and web sites.

**Prerequisite(s):** Speakers of Spanish: A Teacher Recommendation & the recommended entrance requirement for the Spanish for Native Speakers I is the Intermediate-Mid level of proficiency in listening comprehension on the ACTFL scale. It is not necessary that students speak or write at the Intermediate level prior to entering the course.

## SPANISH FOR NATIVE SPEAKERS Lv. 2

**Course Number:** 60.0791001/2 - Yearlong

This course is designed for heritage learners of Spanish who bring strong proficiency and literacy skills in Spanish, as well as for those who have completed Spanish for Native Speakers I. The recommended entrance requirement for the Spanish for Native Speakers II is the Intermediate-High level of proficiency in listening comprehension on the ACTFL scale, and Intermediate-Mid level of proficiency in reading, writing, and speaking. This course focuses on the development of advanced communicative competence in reading, writing, speaking and listening and viewing, as well as on understanding Hispanic cultures and issues of identity of heritage speakers of Spanish in the United States. Students will also continue to develop awareness and understanding of Hispanic cultures, including language variation, customs, geography, history, and current events.

**Prerequisite (s):** Native Speakers Lv. 1, Teacher Recommendation, Entrance Exam, &, Intermediate-High Level (Listening), Intermediate-Mid level reading, writing, and speaking

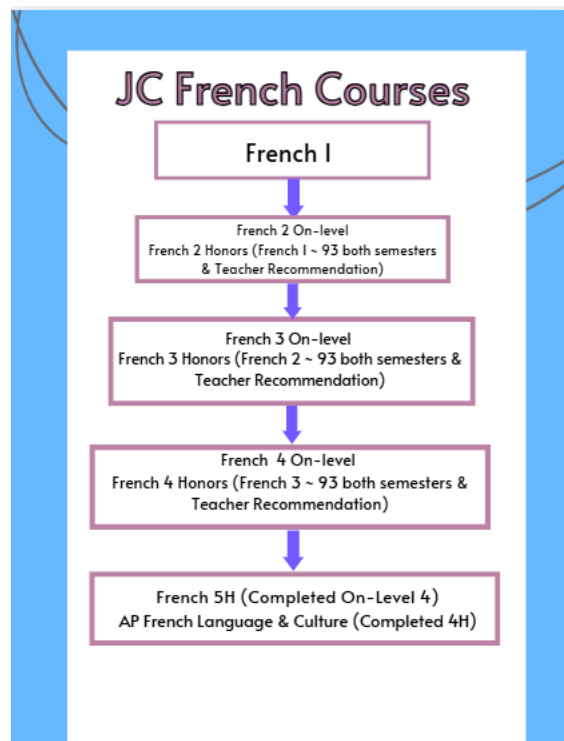
## SPANISH FOR NATIVE SPEAKERS Lv.3

### Course Number 60.0792001/2 - Yearlong

This course is designed for heritage learners of Spanish who bring strong proficiency and literacy skills in Spanish, as well as for those who have completed Spanish for Native Speakers 2. The course focuses on the development of advanced communicative competence in reading, writing, speaking and listening and viewing, refining language forms and structures with an eye toward use of Spanish in professional settings, and development of a deep understanding of Hispanic cultures and issues of identity of heritage/native speakers of Spanish in the United States. During this course, students will gain proficiency in using Spanish in increasingly complex ways to express thoughts on social and academic themes.

**Prerequisite(s):** Native Speakers Lv. 2, Teacher Recommendation, & Entrance Exam

## FRENCH COURSES



### FRENCH 1

**Course Number:** 60.0110000 - Yearlong

Students work towards the year-end goal of achieving novice high listening, reading, writing and novice mid speaking levels. (Students can understand, exchange, and present information about familiar topics using phrases, simple sentences, and short paragraphs. In a francophone culture, students can interact at a survival level in a few familiar contexts.) Topics used to achieve these levels include greetings, school, family, friends, and restaurants. No prior knowledge of the language or culture is assumed.

**Prerequisite(s):** None

## FRENCH 2

**Course Number: 60.0120000 - Yearlong**

Students work towards the year-end goal of achieving intermediate low listening, reading, & writing and novice high speaking levels. (Students can understand, exchange, and present information about an expanded variety of familiar topics and in present and past tenses using complex sentences and short paragraphs. In a francophone culture, students can interact at a basic functional level in some familiar contexts.) Topics used to achieve these levels include sports and hobbies, celebrations and holidays, vacations and travel, and home.

**Prerequisite(s):** French 1 & Teacher Recommendation

## FRENCH 2 HONORS

**Honors French 2 60.0120040 - Yearlong**

Students work towards the year-end goal of achieving intermediate low listening, reading, writing, and speaking levels. (Students can understand, exchange, and present information about an expanded variety of familiar topics and in present and past tenses using complex sentences and short paragraphs. In a francophone culture, students can interact at a functional level in some familiar contexts.) Topics used to achieve these levels include sports and hobbies, celebrations and holiday, vacations and travel, home. Beginning preparation for AP French.

**Prerequisite(s):** French 1 with a 93 or higher both semesters & Teacher Recommendation

## FRENCH 3

**Course Number: 60.0130000 - Yearlong**

Students work towards the year-end goal of reaching intermediate mid listening, reading, and intermediate low speaking levels. (Students can understand, exchange, and present information about a wide variety of topics and in several time frames using complex sentences and long paragraphs. In a francophone culture, students can interact at a functional level in some familiar contexts.) Topics used to achieve these levels include home, food, health, technology, city life, professions, environment, and the arts.

**Prerequisite(s):** French 2 & Teacher Recommendation

## FRENCH 3 HONORS

**Course Number: 60.0130040 - Yearlong**

Students work towards the year-end goal of reaching intermediate mid listening, reading, and speaking levels. (Students can understand, exchange, and present information about a wide variety of topics and in several time frames using complex sentences and long paragraphs. In a francophone culture, students can interact at a functional level in multiple familiar contexts.) Topics used to achieve these levels include home, food, health, technology, city life, professions, environment, and the arts. Continued preparation for AP French.

**Prerequisite(s):** French 2 Honors with a 93 or higher both semesters & Teacher Recommendation

## FRENCH 4

**Course Number:** 60.0140000 -Yearlong

French 4 is an advanced course designed for students continuing from French 3. Students continue to explore the French-speaking world with an emphasis on culture: visual arts, current events, daily life, and electronic exchange with a French high school. This course is recommended for students who are interested in deepening their speaking skills and knowledge of the French-speaking world as the course relies heavily on oral communication. Students will also continue to craft their writing, listening, and reading skills. Student skills will be demonstrated and assessed via a variety of activities including, but not limited to debates, skits, projects, web activities and video/audio recordings, and short-answer essays. Major topics include relationships, technology, identity, arts, French history, etc.

**Prerequisite(s):** French 1, 2, 3, & Teacher Recommendation.

## FRENCH 4 HONORS

**Course Number:** 60.0140040 - Yearlong

Students work towards the year end goal of reaching enriched intermediate mid listening, reading, writing, and speaking levels. (Students can understand, exchange, and present information about a wide variety of concrete and abstract topics in several time frames using complex sentences, paragraphs, and essays. In a francophone culture, students can interact at a very functional level in multiple familiar contexts.) Sample topics include WWII in France, French cities, French film, and Haitian culture. In final preparation for AP French, the course provides intense development of communicative and cultural competence and requires near-exclusive use of French in class.

**Prerequisite(s):** French 3 Honors with a 93 or higher both semesters & Teacher Recommendation

## ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE

**Course Number:** 60.0170010 - Yearlong

This college-level course provides intense preparation for the AP French Language and Culture exam by using authentic resources; students work towards the year-end goal of intermediate high to advanced low listening, reading, writing, and speaking levels. (Students can understand, exchange, and present information about a wide variety of abstract and culturally relevant topics and in many time frames and registers using complex sentences, paragraphs, and essays. In a francophone culture, students can interact at a competent level in familiar and some unfamiliar contexts). College Board themes used to promote success include global challenges, science and technology, contemporary life, families and communities, identities, and beauty. Exclusive use of French in class.

**Prerequisite(s):** French 4 Honors

## FRENCH 5 HONORS

**Course Number:** 60.0160040 - Yearlong

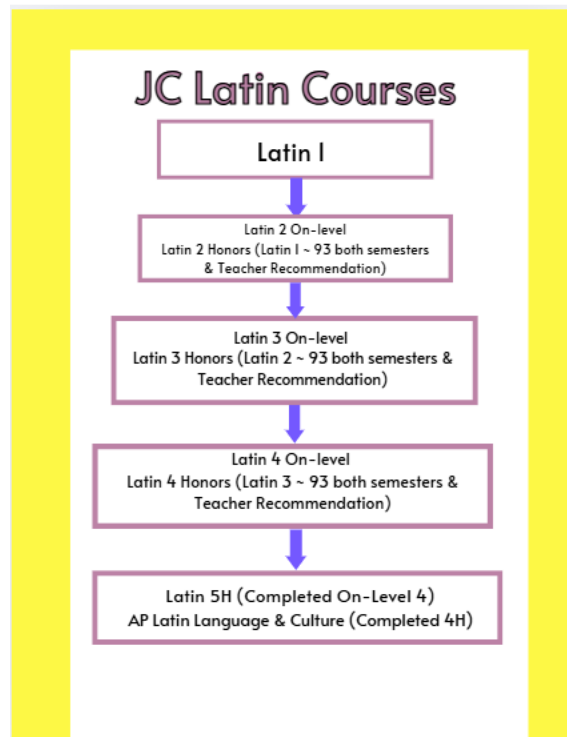
This college-level course explores French and francophone literature, history, film, contemporary topics, and culture with the year-end goal of enriched intermediate high to advanced low listening, reading, writing, and speaking levels.

(Students can understand, exchange, and present information about a wide variety of abstract, literary, and culturally relevant topics and in many time frames and registers using complex sentences, paragraphs, and essays. In a francophone culture, students can interact at a

competent level in familiar and some unfamiliar contexts.) Class readings, culture units, and individual research projects are designed to prepare students to explore the use of French in their future careers and community service. Exclusive use of French in class.

**Prerequisite(s):** French 4H or French 4 with a 93 or higher both semesters & Teacher Recommendation

## LATIN COURSES



### LATIN 1

**Course Number: 61.0410000 - Yearlong**

This beginning Latin course is designed to introduce students to the Latin language and culture of Ancient Rome. It emphasizes the ability to write simple Latin sentences and to read and understand simple Latin passages presented orally and in writing. Major topics: Latin pronunciation, greetings and common expressions, family, houses, public life, theatres, dinner parties and dining, baths and bathing, gladiators, slavery in the Roman-world, Pompeii, and mythology.

**Prerequisite(s):** None

### LATIN 2

**Course Number: 61.0420000 - Yearlong**

The objective of this course is to continue development of Latin language skills and provide opportunities to interact with longer, more challenging Latin passages. This course will promote an appreciation and understanding of Ancient Rome and how her culture and language have contributed to Western language and civilization. Major topics include: travel, Roman Britain, Roman Egypt, the Roman Empire, the legions, state religion, and mythology.

**Prerequisite(s):** Latin 1

## LATIN 2 HONORS

### Course Number: 61.0420040 - Yearlong

The objective of this course is to continue development of Latin language skills and provide opportunities to interact with longer, more challenging Latin passages. This course will promote an appreciation and understanding of Ancient Rome and how her culture and language have contributed to Western language and civilization. Major topics include travel, Roman Britain, Roman Egypt, the Roman Empire, the legions, state religion, and mythology.

**Prerequisite(s):** Latin 1 with a 93 or higher both semesters & Teacher Recommendation

## LATIN 3

### Course Name: 61.0430000 - Yearlong

This course continues to develop reading, comprehension, and translation skills through the in-depth study of Imperial Rome. Themes in history, literature, art, politics, and daily life are supplemented with exposure to primary, unedited Latin texts. Grammar topics focus on usages of the verb system, including indirect statements, subjunctive clauses, and participial phrases. Major Materials: Cambridge Latin 4 Cambridge University Press 2003

**Prerequisite(s):** Latin 1, 2 & Teacher Recommendation

## LATIN 3 HONORS

### Course Number: 61.0430040 - Yearlong

The objective of this course is to continue development of Latin language skills and provide opportunities to interact with longer, more challenging Latin passages, as well as authentic Latin materials. This course will promote an appreciation and understanding of Ancient Rome and how her culture and language have contributed to Western language and civilization. Major topics include weddings, letter writing, court system, Roman provinces, Roman poets, Roman orators, and mythology. Prerequisite: Latin 2 and teacher recommendation.

**Prerequisite(s):** Latin 2H with a 93 or higher both semesters & Teacher Recommendation

## LATIN 4

### Course Name: 61.0440040 -Yearlong

This course provides the opportunity to read, comprehend, and translate Latin in its unedited form. Through the survey study of select Latin authors, from Latin's earliest works to the second century AD, students will be able to explore, first-hand, the thoughts and opinions that came to define the Romans themselves throughout their history. Cultural topics will also include history, mythology, theatre, art, politics, geography, and daily life. Major Materials: Fabulae Romanae/ Intermediate Prentice Hall, 1993 Cicero & Sallust Longman Inc., 1990. Selections from Latin Poetry by Carr & Wedeck.

**Prerequisite(s):** Latin 3 & Teacher Recommendation

## AP LATIN

### Course Number: 61.0470000 -Yearlong

The basic objective of this course is progress in reading, understanding, and interpreting original Latin works. Students are expected to translate accurately the literature they are reading from Latin into English and to demonstrate a grasp of the grammatical structure and vocabulary used by the author. Also included in the course work is a study of the political, social

and cultural background of the work being read. The examination devotes 40-55 minutes to multiple-choice questions on Latin sight-reading and 65- 80 minutes to brief essays on required reading per course.

**Prerequisite(s):** Latin 4 & Teacher Recommendation

## **CAREER, TECHNOLOGY and AGRICULTURAL EDUCATION (CTAE)**

### **AUDIO/VIDEO TECH & FILM I**

**Course Number: 10.5181000 - Yearlong - 9th or 10th grade only**

This course provides an introductory overview of television production with an emphasis on the role of the television production team. Students are instructed on the correct operation of studio and field production equipment as well as the history of television, scriptwriting, news reporting, safety and post-production editing. This yearlong course will provide the basic knowledge required to progress on to the advanced levels of the program. Extracurricular productions are a requirement of this program.

### **AUDIO/VIDEO TECH & FILM II**

**Audio/Video Tech & Film II 10.5191000 Yearlong**

Students complete advanced editing projects and work as crewmembers on the in-studio and field production to reinforce the television production process. Participants serve as reporters and producers on segments of John Creek's television program. Students will work with computer-based editing and advanced graphics as part of the course. Leadership opportunities afford themselves to students as producers of various departmental productions. **Extracurricular productions are a requirement of this program. Prerequisite:** AVTF 1

### **AUDIO/VIDEO TECH & FILM III**

**Course Number: 10.5201000 Yearlong**

This third-year course provides students the opportunity to complete advanced editing projects and direct student production groups. Participants learn advanced editing techniques for use with both in and out of school productions. Students will be using nonlinear editing equipment as well as graphics and compositing software for their productions. Extracurricular productions are a requirement of this program. **Prerequisite:** Successful completion of Audio/Video Tech & Film II and teacher recommendation.

### **BROADCAST/VIDEO APPLICATIONS (AVTF 4)**

**Course Number: 10.4141000 Yearlong**

Students in Broadcast/Video Applications will serve as producers for many of the videos created in the program. Fourth year students will specialize in areas of production that they may pursue in post-secondary education. During the course, students may work on portfolios for career or educational advancement. Extracurricular participation is a mandatory part of the program. **Prerequisite:** Successful completion of Audio/Video Tech & Film III and teacher recommendation.

## **INTRODUCTION TO BUSINESS AND TECHNOLOGY**

**Course Number: 07.4413000 - Yearlong - 9th or 10th grade only**

This course is the foundation for Administrative Support, Small Business Development, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above and provides an overview of business and technology skills required for today's business environment.

Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students will not only understand the concepts, but apply their knowledge to situation and defend their action/decisions/choices and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America FBLA, are integral components of both the employability skills standards and content standards for this course.

## **LEGAL ENVIRONMENT IN BUSINESS**

**Course Number: 06.415000 - Yearlong**

Legal Environment of Business addresses statutes and regulations affecting businesses, families, and individuals. All students will benefit with the knowledge of business law as they will eventually assume roles as citizens, workers, and consumers in their communities and in society at large. Students will get an overview of business law while concentrating on the legal aspects of business ownership and management. Legal issues addressed include court procedures, contracts, torts, consumer law, employment law, environmental law, international law, ethics, and the role of the government in business. Students will not only understand the concepts, but will also apply their knowledge to situations and defend their actions, decisions, and choices. Prerequisite: **Intro to Business and Technology**

## **ENTREPRENEURSHIP**

**Course Number: 06.4161000 Yearlong**

Entrepreneurship is a course in the Entrepreneurship pathway. This class focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Engaging students in the creation and management of a business and the challenges of being a small business owner will be fulfilled. Business Law will be taught in alternating years with Entrepreneurship for pathway completion. Prerequisite: Intro to Business & Technology and Legal Environment

## INTRODUCTION TO SOFTWARE TECHNOLOGY (FORMERLY KNOWN AS INTRO TO DIGITAL TECHNOLOGY)

**Course Number: 11.415000 - Yearlong - 9th or 10th grade only**

This course is the foundation for Web & Digital Communications, Programming, Information Support and Services, and Network Systems pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts on their personal life, society, and the business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks are all taught in a computer lab with hands-on activities and project focused tasks.

Students will not only understand the concepts but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations, Future Business Leaders of America FBLA are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world.

## ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

**Course Number: 11.0190010 - Yearlong**

This year long course is designed to be the equivalent of a one semester long college introductory course in computer science. We use the Harvard CS50 AP curriculum for this course, in preparation for the College Board's Advance Placement Exam. There are two in-course submissions that make up part of each student's AP Exam grade. Major emphasis is on programming using the languages C and Python, in programming methodology to develop algorithmic thinking. **Prerequisite:** Introduction to Digital/Software Technology.

## ADVANCED PLACEMENT COMPUTER SCIENCE A

**Course Number: 26.4140010 - Yearlong**

This year long course is designed to be the equivalent of a one semester long college introductory course in programming. The course is geared toward preparing students to take the College Board's Advance Placement Exam. Major emphasis is on programming using the language JAVA, in programming methodology and problem solving. **Prerequisite:** AP Comp Science Principles and Intro to Digital/Software Technology

## FOUNDATIONS OF ENGINEERING AND TECHNOLOGY

**Course Number: 21.4250000 - Yearlong -9th or 10th grade only**

JCHS has a state-of-the-art lab utilizing industry standard equipment to learn the basics of engineering practices. During the year, individual work, group work and engineering training modules will be used as students explore basic engineering practices used in industry. Companies will be formed and students will use skills learned in the trainers to design and build projects. During the projects, a corporate structure is used as well as, teamwork, company logo, a video, brochure, web page, Power Point presentation, and company t-shirts will be made along with a fully functioning prototype of the product. Students will learn how to safely use equipment from basic hand and power tools to industrial robots and computer

controlled milling machines. Foundations of Engineering Technology is the first course of a possible four-year track in Engineering.

## **ENGINEERING CONCEPTS**

**Course Number: 21.4710000 - Yearlong**

A more in-depth study of various engineering practices will take place in Engineering Concepts. As more advanced engineering skills are learned, students take on many of the challenges faced in real life engineering careers. Some design projects in Engineering Concepts include: Hovercrafts, Solar Fuel Cell Vehicles, Ergonomic Workstations, and Handicap Lifting Devices. **Prerequisite:** Foundations of Engineering Technology.

## **ENGINEERING APPLICATIONS**

**Course Number: 21.4720000 - Yearlong**

Engineering Applications continues the students' opportunities to learn about Engineering. This third year class takes the students further into the fields of Engineering. The students continue to use the engineering training stations as well as projects. Example projects in Engineering Applications are: Water Desalination, Hydroponic Gardening, Smart House Security and Automatic Drawbridge. **Prerequisite:** Engineering Concepts.

## **RESEARCH, DESIGN AND PROJECT MANAGEMENT**

**Course Number: 21.4610000 - Yearlong**

This course provides students with the unique opportunity to design and build their own projects. After completing some of the engineering training stations the R&D students will design and build their own master project. During the first three years of this program students have been given projects to complete. In year four, the students take their gained knowledge to design and build their own projects. **Prerequisite:** Engineering Applications.

## **ROBOTICS AND AUTOMATED SYSTEMS (5THCOURSE)**

**Course Number: 21.445000- Yearlong**

Explore the world of advanced manufacturing and technology in this course. Students will gain practical skills in computer-aided design (CAD), computer numerical control (CNC), robotics, computer-assisted manufacturing (CAM), programmable logic controllers (PLC), and microcontrollers. By the end of the course, students will be equipped to apply their knowledge in real-world scenarios, preparing them for a future in the exciting field of modern manufacturing and engineering.

## **MARKETING PRINCIPLES**

**Course Number: 08.4740000 - Yearlong- 9th or 10th grade only**

Marketing prepares students for future courses and careers in marketing, merchandising, and management. Emphasis is placed on selling, promotion, advertising, distribution, merchandising, and marketing functions. Student activities include participation in group and individual projects, case studies, role-plays, school-based enterprises, and presentations. DECA, the co-curricular association of marketing students, provides supportive training in marketing occupational areas and leadership development opportunities.

## INTRODUCTION TO SPORTS AND ENTERTAINMENT MARKETING

**Course Number: 08.4780000 - Yearlong**

This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact it has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skills, Selling, Marketing-Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization.

**Prerequisite:** Marketing Principles.

## ADVANCED SPORTS AND ENTERTAINMENT MARKETING

**Course Number: 08.4850000 - Yearlong**

This course provides students opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing. Topical units include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning. Project -based instruction, together with a variety of work-based learning activities, should be incorporated in this course to provide real-world application. **Prerequisite:** Introduction to Sports & Entertainment Marketing

## HOSPITALITY RECREATION AND TOURISM ESSENTIALS

**Course Number: 08.453000 - Yearlong**

This class provides students an introduction into all the segments of the Hospitality industry. Students will explore hotels, restaurants and tourism among other elements through projects, research and presentations. Students will experience real life scenarios as well as guest speakers and field trips to help students learn and understand the material. **Prerequisite:** Marketing Principles

## HOSPITALITY RECREATION AND TOURISM MANAGEMENT

**Course Number: 08.454000-Yearlong**

Hospitality Recreation and Tourism Management is the final course in the Hospitality Marketing pathway. The course focuses on the management practices used in the hospitality industry. Career development is focused on in this class. Students are able to learn management practices that focus on ethics, human resources and profit and loss statements that help run the hospitality industry in each of the segments. These lessons are taught through projects, presentations, research and discussions. Students will have access to hospitality operations first hand through field trips and guest speakers who are industry professionals.

**Prerequisites:** Marketing Principles and Hospitality, Recreation, & Tourism Essentials

## **E-MARKETING**

**Course Number: 08.479000 - Yearlong**

This course focuses on marketing in the digital space. Students get an introduction into concepts such as Search Engine Optimization, YouTube marketing and Promotion on social media platforms. Each student will earn a google digital marketing certificate upon completion of the course. **Prerequisite:** This class is for marketing pathway completers (i.e., finished the Hospitality pathway, or the Sports and Entertainment pathway).

## **INTRODUCTION TO HEALTHCARE SCIENCE**

**Course Number: 25.521000 - Yearlong - 9th or 10th Grade Only**

Health, wellness, and preventative care are evaluated, as well as ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. First course in the Exercise Physiology Pathway.

## **ESSENTIALS OF HEALTHCARE**

**Course Number: 25.44000 - Yearlong**

Anatomy and Physiology are vital components of most healthcare post-secondary education programs. The Essentials of Healthcare course focuses on medical anatomy, addressing the physiology of each body system and investigating common and emerging diseases and disorders. The course covers disease prevention, diagnosis, and treatment, along with medical terminology related to each system. Students will have the opportunity to demonstrate technical skills, reinforcing the connection between medical procedures and the pathophysiology of diseases and disorders.

**Prerequisite:** Introduction to Healthcare

## **WORK-BASED LEARNING (WBL) - OFF CAMPUS JOB**

**Course Number: Varies based on Program - Yearlong - Seniors Only**

The mission of the Work-Based Learning Program is to assist in providing a highly trained, technologically sophisticated and career oriented young workforce. This is accomplished by developing partnerships between business, industry, students, parents, school systems, coordinators, and post-secondary institutions which will lead the participating student into meaningful careers.

# FINE ARTS: Performing and Visual

## BEGINNING & INTERMEDIATE PIANO

Course Number: 53.0941000 - Yearlong or Semester

The piano lab class is a year-long class, open to students with no or very little keyboard experience. Students will be taught the basic piano skills/ techniques, theory, music reading skills and piano literature. At the end of each semester a recital is presented to parents, friends, and administration.

## MUSIC APPRECIATION

Course Number: 53.0140001 - Semester

Music Appreciation is a one semester elective course open to all high school students. Students will learn of the historical events that have made the music of today possible as they participate in research, video/audio reviews, and possible field trips. The course will assist the students in becoming more informed as consumers of music.

## ADVANCED BAND I, II, III, IV "SYMPHONIC BAND"

Course Number: 53.0381000 53.0382000 53.0383000 53.0384000 - Yearlong

Open to all Woodwind and Brass players. Students will be placed in this band by AUDITION ONLY. In addition, Band Director recommendation is required. There will be one or two, outside of school, rehearsals for each performance. **Prerequisite: Audition**

## MASTERY BAND I, II, III, IV "WIND ENSEMBLE"

Course Number: 53.0381000 53.0382000 53.0383000 53.0384000 - Yearlong

Open to all Woodwind and Brass players. Students will be placed in this band by AUDITION ONLY. In addition, Band Director recommendation is required.

There will be one or two, outside of school, rehearsals for each performance. **Prerequisite: Audition**

## ADVANCED INSTRUMENTAL ENSEMBLE I, II, III, IV "PERCUSSION"

Course Number: 53.0761000 53.0762000 53.0763000 53.0764000 - Yearlong

All band percussion students should register for this class. We will host one or two combined rehearsals with the brass and woodwind players before each performance. **Prerequisite:**

Recommendation of current band director. **Prerequisite: Audition**

## BEGINNING MIXED CHORUS I VOICE CLASS

Course Number: 54.0211000 - Yearlong

This class is offered to students who like to sing and would like to improve their vocal technique and performance confidence and skills. They will work on music of all styles and learn to perform in all genres. There will be no required outside performances for grades. In class performances will be take the place of outside performances to be graded.

## **INTERMEDIATE MIXED CHORUS I CHORALE**

**Course Number: 54.0221000 - Yearlong**

This class is offered to students that like to sing and have some choral music experience in their background. The ensemble will study choral music from folksongs to classics while working on vocal technique, breathing and performance skills. They will perform in at least four concerts per year for a grade, including a rehearsal after school for each performance.

## **MASTERY MIXED CHORUS I, II, III, IV 'CHAMBER SINGERS'**

**Course Number: 54.0235000 54.0236000 54.0237000 54.0238000 - Yearlong**

This class is offered to the most advanced vocal / choral musicians with strong sight singing and reading skills. They will sing a wide assortment of choral literature from Classics to Jazz. The music for this class is at the highest High School and College level. All students are required to audition for All-State Chorus and they are graded on their preparation and scores.

**Prerequisite: Audition**

## **ADVANCED ORCHESTRA I, II, III, IV "PHILHARMONIA"**

**Course Number: 53.0581000 53.0582000 53.0583000 53.0584000 - Yearlong**

"Philharmonia" Orchestra is a performance group comprised of 9th through 12th grade students. The students are selected through auditions and/or with the approval of the Orchestra Director, with the understanding that there will be out-of-school performances and rehearsals required of all members during the school year. The course will cover the mechanics of string instruments: note reading, rhythm, pitch discrimination, expression, and music literacy at a higher level. Students receive one hour elective credit for all music courses. **Prerequisite:**

**Audition**

## **ADVANCED ORCHESTRA I, II, III, IV "SINFONIA-I"**

**Course Number: 53.0581000 53.0582000 53.0583000 53.0584000 - Year long**

"Sinfonia" Orchestra is a performance group comprised of 9th through 12th grade students. The students are selected through auditions and/or with the approval of the Orchestra Director, with the understanding that there will be out-of-school performances and rehearsals required of all members during the school year. The course will cover the mechanics of string instruments: note reading, rhythm, pitch discrimination, expression, and music literacy at a higher level. Students receive one hour elective credit for all music courses. **Prerequisite:**

**Audition**

## **ADVANCED ORCHESTRA I, II, III, IV "SINFONIA-II"**

**Course Number: 53.0581000 53.0582000 53.0583000 53.0584000 - Yearlong**

"Sinfonia" Orchestra is a performance group comprised of 9th through 12th grade students. The students are selected through auditions and/or with the approval of the Orchestra Director, with the understanding that there will be out-of-school performances and rehearsals required of all members during the school year. The course will cover the mechanics of string instruments: note reading, rhythm, pitch discrimination, expression, and music literacy at a higher level. Students receive one-hour elective credit for all music courses. **Prerequisite:**

**Audition**

## **ADVANCED ORCHESTRA I, II, III, IV "CHAMBER"**

**Course Number: 53.0581000 53.0582000 53.0583000 53.0584000 - Yearlong**

"Chamber" Orchestra is the most advanced string students selected based on musical skills, dependability, and instrumentation. This performance group is comprised of the advanced 9th through 12th grade string students. The students are selected through auditions and/or with the approval of the Orchestra Director, with the understanding that there will be out-of-school performances and rehearsals required of all members during the school year. The course will cover the mechanics of string instruments: note reading, rhythm, pitch discrimination, expression, and music literacy at a higher level. Students receive one hour elective credit for all music courses. **Prerequisite: Audition**

## PERFORMING ARTS - DRAMA

### ACTING I

**Course Number: 52.0610000 - Yearlong**

This year long course is an introduction to acting. It is the prerequisite for all other acting classes. The course is directed toward a clear understanding of basic acting skills. It introduces the acting process and the role of the actor in various styles/methods. This course also introduces students to the areas of playwriting, directing and theatre history. In this class, theatre is used as a means to encourage self-confidence, cooperative learning, team work, organization, and leadership skills. The class allows all students the opportunity to perform on a regular basis in large and small groups.

### ACTING II-IV

This year long course enhances the skills developed in the Acting I class. The class will focus on advanced level acting skills including historical and classical scene study. Students will explore a variety of acting genres and acting methods. This class allows all students the opportunity to perform on a regular basis as an individual and in groups. **Prerequisite: Acting I**

### ADVANCED DRAMA I

**Course Number: 52.0510000 - Yearlong**

This year long course is an advanced study in acting and production. The course will include advanced acting techniques and in-class production opportunities. Students will assume positions of responsibility on selected productions throughout the year and will have an opportunity to participate in several types of artistic situations. **Prerequisite: Acting I**

### ADVANCED DRAMA II-IV

This year long course enhances the skills developed in Advanced Drama I with a focus on student direction, playwriting and design. **Prerequisite: Audition**

### TECHNICAL THEATRE I

**Course Number: 52.0410000 - Yearlong**

This year long course functions as an introduction to the technical elements of theatre, such as Set Design, Set Construction, Costumes, Makeup, Props, Lighting, Sound and Publicity. Students will have the opportunity to construct the sets for all JCHS Theatre Department productions.

## TECHNICAL THEATRE 2, 3, 4

**Course Number: 52.0420000 - Yearlong**

This yearlong course delves further into the explorations of the technical elements of theatre. Students will learn to improve their use of tools and technical skills associated with the elements of theatrical design and theatre management. Students will have the opportunity to construct the sets for all JCHS Theatre department productions. **Prerequisite:** Technical Theatre I

## VISUAL ARTS/COMPREHENSIVE I (INTRO TO ART)

The following course is a basic art course and is a prerequisite to all other art courses.

**Course Number: 50.0211001 - Semester**

This semester long course is an introduction to art history, art criticism, aesthetics, art production and art careers. It establishes a standard and consistent foundation in the discipline of visual art with emphasis on the understanding and use of the elements of art and principles of design through a variety of media, processes, and visual resources. Priority is given to underclassmen.

## ADVANCED PLACEMENT STUDIO ART: DRAWING PORTFOLIO

**Course Number: 50.4811010 - Yearlong**

This course is a performance-based exam rather than a written exam. The product of this class will be a portfolio presented to the AP College Board. This portfolio is intended to address a very broad interpretation of drawing issues and media. The interpretation of these issues will be addressed through a variety of means which could include painting, printmaking, mixed media, etc. Abstract, observational and inventive works may demonstrate drawing competence. The Drawing Portfolio involves purposeful decision-making about how to use the elements and principles of art in an integrative way in drawing and painting media. A variety of approaches to representation, abstraction, and expression may be part of the student's portfolio.

Students should expect to spend 5 or more hours outside of class each week to complete the assignments. Summer work provides students with a head start on their portfolios and is required prior to fall entry into the class.

**Prerequisite:** Introduction to Art, Drawing and Painting I & II

## ADVANCED PLACEMENT STUDIO ART: 2D DESIGN PORTFOLIO

**Course Number: 50.4813010 - Yearlong**

This course is a performance-based exam rather than a written exam. The product of this class will be a portfolio presented to the AP College Board. This portfolio is intended to address a very broad interpretation of two-dimensional 2D design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. A variety of approaches to representation, abstraction and expression may be a part of the student's portfolio. This portfolio allows the student to work with photographic images, digital images, computer-manipulated images, as well as media production. Students should expect to spend 5 or more hours outside of class each week to complete the assignments. Summer work provides students with a head start on their portfolios and is required prior to fall entry into the class. **Prerequisites:** Introduction to Art, Drawing & Painting I & II, and/or Graphics I and II, and/or Photo I & II, AP Commitment Contract

## ADVANCED PLACEMENT STUDIO ART: 3D DESIGN PORTFOLIO

**Course Number:** 50.4814010 - Year long

This course is a performance based exam rather than a written exam. The product of this class will be a portfolio presented to the AP College Board. This portfolio is intended to address a broad interpretation of sculptural issues in depth and space. A variety of approaches to representation, abstraction and expression may be a part of the student's portfolio. These might include traditional figurative as well as non-figurative sculpture, architectural models, apparel, ceramics, 3D fiber art or metal works among others. Students should expect to spend 5 or more hours outside of class each week to complete the assignments. Summer work provides students with a head start on their portfolios and is required prior to fall entry into the class.

**Prerequisites:** Ceramics I & II and/or Sculpture I & II, Fashion Design I & II, Introduction to Art, Application, AP Commitment Contract

## DRAWING AND PAINTING I

**Course Number:** 50.0313001 - Semester

This semester long course instructs students in fundamental drawing skills and prepares them to make the transition to painting. Course work builds on drawing skills introduced in Introduction to Art. Drawing approaches include contour, value to model form, gesture, visual perspective. Students apply color theory as an aesthetic within their artwork. Students work with a variety of drawing media such as pencil, charcoal, conté, oil pastels. Art history, art criticism and aesthetics are incorporated with studio production of drawings and paintings.

**Prerequisite:** Introduction to Art

## DRAWING AND PAINTING II

**Course Number:** 50.0314001 - Semester

Drawing and Painting II is a semester long course that develops fundamental painting skills and continues to strengthen composition and drawing skills. This course includes studies in color sensitivity and a wide range of media techniques.

Art history, criticism, and aesthetics are incorporated with studio production of drawing and painting. **Prerequisite:** Introduction to Art, Drawing and Painting I

## DRAWING AND PAINTING III

**Course Number:** 50.0315001 - Semester

Enhances level-two skills in technique and provides further exploration of drawing and painting media. Reinforces drawing and painting skills and critical analysis skills for responding to master drawings and paintings of different historical and contemporary styles and periods. Examines solutions to increasingly complex mixed media works of art and the development of personal style and a body of work. **Prerequisite:** Introduction to Art, Drawing & Painting 1, 2

## DRAWING AND PAINTING IV

**Course Number:** 50.0316001 - Semester

Enhances level-three skills in technique and provides further exploration of drawing and painting media. Reinforces drawing and painting skills and critical analysis skills for responding to master drawings and paintings of different historical and contemporary styles and periods. Examines solutions to increasingly complex mixed media works of art and the development of body of work as a portfolio. **Prerequisite:** Introduction to Art, Drawing & Painting 1, 2, 3

## GRAPHICS I

**Course Number: 50.721001 - Semester**

In this semester long course, students are introduced to graphic design and study the art processes and techniques involved with the arrangement of words, shapes or images or their combination to communicate a concept directed toward a specific audience for a particular purpose or function. **Prerequisite: Introduction to Art**

## GRAPHICS II

**Course Number: 50.0722001 - Semester**

Students in Graphics II extend the study begun in Graphics I of the art processes and techniques involved with the arrangement of words, shapes, images or their combination to communicate a concept directed toward a specific audience for a particular purpose or function. **Prerequisite: Introduction to Art, Graphics I**

## GRAPHICS III

**Course Number: 50.0723001 - Semester**

Enhance level two skills in graphic design. Covers how to plan and present creative design ideas. Emphasizes design elements and principles, marketing psychology, production techniques, and schedules. Explores the design team concept. **Prerequisite: Intro to Art, Graphics 1, 2**

## GRAPHICS IV

**Course Number: 50.0724001 - Semester**

Enhance level three skills in graphic design. Further explores how to plan and present creative design ideas. Emphasizes design elements and principles, marketing psychology, production techniques, and schedules. Continues to explore the design team concept. **Prerequisite: Intro to Art, Graphics 1, 2, 3**

## PHOTOGRAPHY I

**Course Number: 50.0711001 - Semester**

This semester long course is an introduction to black and white photography and darkroom processing. Students will construct their own pinhole camera and create a photographic portfolio as they learn the technical and artistic aspects of photography. Photo history, critiques of photos, aesthetics and design will be addressed throughout the semester. **Prerequisite: Introduction to Art**

## PHOTOGRAPHY II

**Course Number: 50.0712001 - Semester**

This course builds on basic skills and darkroom techniques learned in Photography I. Students hone skills in communicating meaning through photography. Students learn to use a 35mm camera, develop and print images from black and white film and refine darkroom and printing techniques. The course incorporates aesthetics, art criticism, art history and a brief introduction to digital photography. **Prerequisite: Introduction to Art, Photography I**

## PHOTOGRAPHY III

**Course Number: 50.0713001 - Semester**

Photographic Design III builds on the darkroom skills and on communicating meaning through photography begun in Photo Design II. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while developing a portfolio. **Prerequisite: Introduction to Art, Photography I & II**

## PHOTOGRAPHY IV

**Course Number: 50.0714001 - Semester**

In this course students continue to hone skills developed in Photo Design III. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while continuing to develop a portfolio. **Prerequisite: Introduction to Art, Photography I, II & III**

## CERAMICS/POTTERY I

**Course Number: 50.0411001 - Semester**

Ceramics 1 is a semester long introductory course in ceramics clay covering the three basic methods of hand building. Students will produce ceramic art works using pinch, slab, and coil techniques. Students will learn the basic vocabulary of ceramics as well as methods of surface treatment, firing, and other related aspects. Ceramic history, aesthetics, and art criticism will be incorporated throughout the course with studio production of ceramic artwork. **Prerequisite: Introduction to Art**

## CERAMICS/POTTERY II

**Course Number: 50.0412001 - Semester**

Ceramics II provides in-depth work with clay beyond that of Ceramics 1. Students will further technical ability in hand building, surface decoration, and/or wheel-thrown ceramics. Glaze chemistry will be addressed with an emphasis on how a glaze works and how to alter results. Alternative firing techniques will introduce students to various surface effects and firing atmospheres. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice. Students will continue to investigate ceramics from around the world and throughout time. **Prerequisite: Introduction to Art, Ceramics 1**

## CERAMICS/POTTERY III

**Course Number: 50.0413001 - Semester**

Ceramics III builds on the skills and concepts explored in Ceramics II. Students will further technical ability in hand building, surface decoration, and/ or wheel-thrown ceramics. Glaze chemistry will be addressed with an emphasis on how a glaze works and how to alter results. Alternative firing techniques will introduce students to various surface effects and firing atmospheres. Students will work in a more conceptual manner to develop their own ideas, styles and artistic voice while developing a portfolio. **Prerequisite: Introduction to Art, Ceramics/Pottery I & II**

## CERAMICS/POTTERY IV

**Course Number: 50.0414001 - Semester**

This advanced course provides in-depth work with clay. Students will work in a more conceptual manner to develop their own ideas, styles and artistic voice while developing a portfolio. **Prerequisite: Introduction to Art, Ceramics/Pottery I, II, & III**

## FASHION DESIGN I

**Course Number:** 50.0931001 - Semester

Introduces fashion design techniques such as mood boards, illustration, draping, patternmaking, textile manipulation, and sewing. Explores historical origins and use of fashion in Western and non-Western cultures. Applies art criticism techniques to judgments about historic and contemporary fashion designs. **Prerequisite:** Intro to Art

## FASHION DESIGN II

**Course Number:** 50.0932001 - Semester

Emphasizes design elements and principles in the production of two- and three-dimensional works. Enhances level-one skills in fashion design and provides opportunities to apply design techniques in a variety of media. Focuses on one or a combination of several techniques to expand knowledge of historical origins of fashion design. Emphasizes mastery of more complex techniques and development of personal style culminating in an illustrated portfolio.

**Prerequisite:** Intro to Art, Fashion Design 1

## FASHION DESIGN III

**Course Number:** 50.0933001 - Semester

Enhances level-two skills and provides opportunities to apply design techniques in a variety of media from a personal perspective. Continues historical study of past and present global fashion and its designers. Stresses proper use of equipment, vocabulary, and technical terms. Culminates in a mini fashion collection to be presented to peers, community, or the public at large. **Prerequisite:** Intro to Art, Fashion Design 1, 2

## FASHION DESIGN IV

**Course Number:** 50.0934001 - Semester

Enhances level three skills and emphasizes mastery of more complex techniques and development of personal style. Investigates the computer and its influence on and role in creating contemporary fashion designs or portfolios. Includes a cultural and historical study of master design works of different periods and styles. Culminates in a full fashion collection to be presented to peers, community, or the public at large. **Prerequisite:** Intro to Art, Fashion Design 1, 2, 3

## JEWELRY AND METALCRAFTS I

**Course Number:** 50.0460001 - Semester

This semester long course introduces jewelry making as an art form of the past and present. A variety of media and tools are explored. The elements of art and principles of design are used to analyze, design, create and evaluate jewelry. The course combines aesthetics, art criticism and art history with studio production of jewelry and metalwork. **Prerequisite:** Introduction to Art

## JEWELRY AND METALCRAFTS II

**Course Number:** 50.0462001 - Semester

Enhances level-one skills in jewelry-making, art criticism, aesthetic judgement, and studio production. Emphasizes historical and contemporary origins and functions of jewelry while also exploring and experimenting with non-traditional materials. Develops a voice through the study of master artists and material choices. **Prerequisite:** Intro to Art, Jewelry and Metalcrafts

1

## **JEWELRY AND METALCRAFTS III**

**Course Number: 50.0463001 - Semester**

Enhances level-two skills through advanced exploration, mastery of techniques, materials, tools, and equipment to create a cohesive body of jewelry works. Emphasizes personal voice and decision making based on aesthetic choices while gaining inspiration from jewelry masters. **Prerequisite: Intro to Art, Jewelry and Metalcrafts 1, 2**

## **JEWELRY AND METALCRAFTS IV**

**Course Number: 50.0464001- Semester**

Students demonstrate abilities and versatility with jewelry making techniques, problem-solving, and ideation. Develops mastery and quality in concept, composition, and execution of jewelry-making while showing a command of personal voice, ideas, and material choices. Jewelry works culminate into a final gallery showing. **Prerequisite: Intro to Art, Jewelry and Metalcrafts 1, 2, 3**

# HEALTH and PHYSICAL EDUCATION (PE)

## GENERAL HEALTH

**Course Number: 17.0110001- Semester**

This course is required for graduation and includes the State of Georgia Drug and Alcohol Awareness component required for obtaining a driver's license. Course introduces personal health, decision-making skills, mental and emotional health, body systems, stress, alcohol, drug and tobacco use/abuse, nutrition, First Aid/CPR and sex education. Prerequisite: This course is recommended for 9th graders but can be taken at other levels. **Required for graduation**

## PERSONAL FITNESS

**Course Number: 36.0510001 - Semester**

The course introduces Health-related fitness components in exercise, nutrition, cardiovascular system and personal wellness through a walking and exercise plan that facilitates life-long goals of being physically fit. Students are introduced to exercise and fitness goal setting to help them live a life of wellness after high school. **Required for graduation.**

## GENERAL PE 1, 2, 3, 4

**Course Number: 36.0110001 - Semester or yearlong**

Introduces the rules and basic skills of recreational basketball, volleyball, badminton, four-square, wiffle-ball, soccer, flag football and team handball.

## WEIGHT TRAINING

**Course Number: 36.0540001 - Semester or yearlong**

Introductory course that is designed to enhance the student's muscular strength and endurance. Students will gain knowledge in fitness concepts such as frequency, intensity, duration, sets, and repetitions. Cardiovascular training is included in this course. This course will have different titles for each grade level: 9th = Weight Training, 10th = Physical Conditioning, 11th = Advanced Physical Conditioning, 12th = Advanced Weight Training.

## INTRO TO TEAM SPORTS

**Course Number: 36.021000 - Semester or yearlong**

Theory based course designed to focus on more than just activity of the sport, but rather playing positions, training regimens, nutrition, modified strategies of each sport covered, common sports injuries and first aid, statistics and scorekeeping, officiating, and the differences between high school, college and professional sports. Guest speakers will be invited for particular sports. Sports to be covered are Football, Softball, Flag Football, Volleyball, Golf, Tennis, Soccer, Baseball, Basketball, Slow Pitch Softball, Wrestling, Golf, Track and Field and Lacrosse.

# TALENTED & GIFTED (TAG)

High school TAG students have a variety of options in receiving gifted services. The options include qualifying Honors courses (9<sup>th</sup> and 10<sup>th</sup> graders only); Advanced Placement courses, FCS Gifted Internship, Directed Study and college courses. Students must complete at least one of the options each semester to receive gifted participation credit on their transcripts.

- Qualifying Honors Courses: Course descriptions can be found in the relevant content sections.
  - Honors Literature and Composition 1, Course No. 23.2610040 (9<sup>th</sup> graders only)
  - Honors Literature and Composition 2, Course No. 23.2620040 (9<sup>th</sup> and 10<sup>th</sup> graders)
  - Geometry: Concepts and Connections Honors, Course No. 27.282191 (9<sup>th</sup> graders only)
  - Advanced Algebra: Concepts and Connections Honors, Course No. 27.283104 (9<sup>th</sup> and 10<sup>th</sup> graders)
  - Honors Biology, Course No. 26.21200040 (9<sup>th</sup> graders only)
- Advanced Placement Courses (9-12<sup>th</sup> graders): Course descriptions can be found in the relevant content sections.
- FCS Gifted Internship (11<sup>th</sup> -12<sup>th</sup> graders): This is a TAG elective course. See the course description below.
- Directed Study (11<sup>th</sup>-12<sup>th</sup> graders): This is a TAG elective course. See the course description below.
- Dual Enrollment College Courses: Students can earn gifted participation credit for successful completion of any college course in which they are dually enrolled.

## FCS GIFTED INTERNSHIP PROGRAM

**Course Number: 70.2210001 - Semester - 11th and 12th only**

Gifted Internship is an elective class offered exclusively to TAG Juniors and Seniors with an unweighted GPA of 90 or higher. The FCS Gifted Internship Program collaborates with community partners to place students in professional internships where students will engage in authentic career exploration opportunities. The Gifted Internship program employs Program Advisors who work to secure and place students in Internships aligning with the students' career interests. Students must be open and flexible to taking an internship placement that is part of a wider umbrella of careers around the original stated interest. While the Internship class is generally scheduled for the last period of the day to allow for afternoon internship hours, some career types with early morning activities allow the Internship class to be scheduled in the first period of the day. First period interns must have a Dual Enrollment or virtual class second period. Students must have reliable transportation to and from their internship site. Gifted students meeting the prerequisite requirements interested in participating in the Gifted Internship Program will need to complete an application, obtain a teacher recommendation and participate in an interview. Selection for the internship program will be made by a school-based committee. Students may complete up to four internships while in high school.

## **DIRECTED STUDY**

**Course Number: 70.2310001 - Semester - 11th and 12th only**

Directed Study is an elective course that provides for carefully designed research experiences for individual students under the supervision of a TAG teacher. The course is designed to encourage the development of the whole student as a researcher and problem-solver. In collaboration with the TAG teacher, the student defines and schedules assignments for the directed study by contract. The majority of the contract objectives are derived from the analysis, synthesis, and evaluation levels of Bloom's Taxonomy, and the processes employed include the major elements of Treffinger's creative problem-solving techniques. Directed Study is scheduled as the first or last period of the day. Students may complete up to four Directed Studies while in high school.