



---

**THE GEORGE  
WASHINGTON  
UNIVERSITY**

---

WASHINGTON, DC

**ONLINE HIGH SCHOOL**

POWERED BY K12

**2018–2019  
Course Catalog**

# TABLE OF CONTENTS

## *Middle School*

---

ENGLISH and LANGUAGE ARTS	3
MATH	3
SCIENCE	3
HISTORY	3
ART	4
WORLD LANGUAGES	4
JOURNEYS SYMPOSIUM	4

## *Upper School*

---

ENGLISH	6
MATH	8
SCIENCE	10
HISTORY and SOCIAL SCIENCES	12
WORLD LANGUAGES	15
ELECTIVES	19
JOURNEYS SYMPOSIUM	24
ORIENTATION	25

# Middle School

GWUOHS offers a full list of standard 8th grade courses as listed below. Eighth grade students who are more advanced in one or more subject areas and wish to challenge themselves even further are eligible to enroll in high school courses, with approval of our college counselor. The full list of high school courses can be found in the high school section of the catalog.

## ENGLISH AND LANGUAGE ARTS

---

### GRADE 8 LANGUAGE ARTS

Throughout Grade 8 Language Arts students engage in literary analysis and close reading of short stories, poetry, drama, novels, and informational texts. The course focuses on interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills in standard (formal) English. Students read “between the lines” to interpret literature and go beyond the text to discover how the culture in which a work of literature was created contributes to the theme and ideas it conveys. Analysis of the structure and elements of informational texts and media helps students develop the skills needed for academic success and the navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary. Setting goals, self-monitoring progress, and reflecting on successes and challenges help students become metacognitive learners. The course includes discussion activities that engage students in the curriculum while creating a sense of community.

## MATH

---

### MTH123: ALGEBRA I

Students develop algebraic fluency by learning the skills needed to solve equations and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Topics include simplifying expressions involving variables, fractions, exponents, and radicals; working with integers, rational numbers, and irrational numbers; graphing and solving equations and inequalities; using factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulating valid mathematical arguments using

various types of reasoning; and translating word problems into mathematical equations and then using the equations to solve the original problems. Compared to MTH122, this course has a more rigorous pace and more challenging assignments and assessments. It covers translating functions, higher degree roots, and complex factoring techniques.

*Note: Students who have already succeeded in Middle School Algebra I should not enroll in this course.*

## SCIENCE

---

### PHYSICAL SCIENCE

The physical science curriculum introduces students to many aspects of the physical world, focusing first on chemistry and then on physics. The course provides an overview of the physical world and gives students tools and concepts to think clearly about atoms, molecules, chemical reactions, motion, electricity, light, and other aspects of chemistry and physics. Among other subjects, students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.

## HISTORY

---

### MIDDLE SCHOOL WORLD HISTORY II

Continuing a survey of world history from prehistoric to modern times, the online lessons and assessments complement the second volume of *The Human Odyssey*, a textbook series. This course focuses on the story of the past, from the 15th century to 1914 and the beginning of World War I. The course is organized chronologically and, within broad eras, regionally. Lessons explore developments in religion, philosophy, the arts, and science and technology. The course introduces geography concepts and skills as they appear in the context of the historical narrative.

## ART

---

### INTERMEDIATE WORLD ART II

Intermediate World Art II lessons include an introduction lessons include an introduction to the artists, cultures, and great works of world art and architecture from the Renaissance through modern times. Students will study various works of art from the Renaissance and beyond; discover great works of art and see how they influenced later artists; compare and contrast works from many civilizations, from paintings to sculpture, architecture, book covers, prints, and more; and create artworks inspired by works they learn about.

## WORLD LANGUAGES

---

### MIDDLE SCHOOL SPANISH 2

Students continue their language-learning adventure by progressing to this next level of middle school Spanish. The instruction is equivalent to that found in the second semester of high school Spanish I. Students expand their introduction to Spanish through focus on four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language-learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored.

**Prerequisite:** Middle School Spanish 1 (or equivalent)

### MIDDLE SCHOOL FRENCH 2

Students continue their language-learning adventure by progressing to this next level of middle school French. The instruction is equivalent to that found in the second semester of high school French I. Students expand their introduction to French through focus on four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language-learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural

presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored.

**Prerequisite:** Middle School French 1 (or equivalent)

## JOURNEYS SYMPOSIUM

---

Entering a new school (and an online one to boot!) can be a difficult transition. The Journeys Symposium Middle and High School programs blend a robust online learning introduction with help in establishing academic, social, and emotional skills to best prepare students for success in middle school, high school, and beyond. Students meet in online classrooms with their Journeys instructor and classmates, and build a sense of community and camaraderie as well as essential skill sets. The Journeys Symposium Middle School program is composed of two, consecutive year-long seminars.

### GRADE 8: JUMPING INTO JOURNEYS

Jumping into Journeys alludes to the 8th grade transition into high school. This course challenges 8th graders to become leaders of the middle school community and actively map out their plan for academic success, including course scheduling and progression, career exploration, self-reflection, and preparing for the rigor of high school.

<b>ENGLISH</b>
Grade 8 Language Arts
<b>MATH</b>
Algebra I <sup>HS</sup>
<b>SCIENCE</b>
Physical Science
<b>HISTORY and SOCIAL SCIENCES</b>
Middle School World History II
<b>WORLD LANGUAGES</b>
Middle School Spanish 2
Middle School French 2
<b>ART</b>
Intermediate World Art II
<b>JOURNEYS SYMPOSIUM</b>
Grade 8: Jumping into Journeys

<sup>HS</sup> = This is a two-semester course, offered on the HS learning platform. Students who take this course will be eligible to earn HS credit upon successful completion of the course.

Eighth grade students are eligible to enroll within the equivalent high school course, with counselor approval, upon enrollment.

All courses, unless otherwise noted, are two semesters and one credit. Course materials will be available in various formats that may include physical and/or digital materials. Course offerings are subject to change. For the current list of courses with descriptions, please visit [gwuohs.com/academics/curriculum](http://gwuohs.com/academics/curriculum).

# Upper School

In comprehensive courses, students do more extensive writing and research projects, and tackle problems that require more analytical thinking. Course projects and activities also demand more independent thinking and self-discipline than projects in core courses.

Honors courses hold students to a greater degree of accountability, and demand even greater independence and self-discipline. Students synthesize and evaluate information and concepts from multiple sources and read texts typically assigned in college-level courses. Students also demonstrate college-level writing in essays that require analysis of primary and secondary sources, responsible use of evidence, and comprehensive citation of sources.

AP® courses are college-level courses that follow curriculum specified by the College Board. These courses are designed to prepare students for success on AP® exams, providing students the opportunity to earn credit at most of the nation's colleges and universities.

## ENGLISH

(These courses fulfill the English Credit Requirement)

### ENG103: LITERARY ANALYSIS AND COMPOSITION I (COMPREHENSIVE)

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres.

**Literature:** Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written.

**Language Skills:** Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities (Skills Updates). Student vocabularies are enhanced through the study of Greek and Latin root words, improving students' ability to decipher the meanings of new words.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Intermediate English A and B (or equivalent)

*Note: Students who have already succeeded in Middle School Literary Analysis and Composition should not enroll in this course.*

### ENG104: HONORS LITERARY ANALYSIS AND COMPOSITION I

This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Students enrolled in this course work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have gained.

**Literature:** Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written.

**Language Skills:** Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities. Student vocabularies are enhanced through the study of Greek and Latin root words, improving students' ability to decipher the meanings of new words.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Intermediate English A and B (or equivalent) and teacher/school counselor recommendation

*Note: Students who have already succeeded in Middle School Literary Analysis and Composition should not enroll in this course.*

### ENG203: LITERARY ANALYSIS AND COMPOSITION II (COMPREHENSIVE)

In this course, students build on existing literature and composition skills and move to higher levels of sophistication.

**Literature:** Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, and Richard Rodriguez. Students read Shakespeare's *Macbeth*.

They are offered a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, Elie Wiesel, and many others.

**Language Skills:** In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, resumes, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Unit pretests identify skills to address more fully. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** ENG103: Literary Analysis and Composition I (or equivalent)

### **ENG204: HONORS LITERARY ANALYSIS AND COMPOSITION II**

In this course, students build on existing literature and composition skills and move on to higher levels of sophistication. Students work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have gained.

**Literature:** Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, Richard Rodriguez, and William Shakespeare. Students have a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, and Elie Wiesel.

**Language Skills:** In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, resumes, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Unit pretests identify skills to address more fully. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** ENG104: Honors Literary Analysis and Composition I (or equivalent) and teacher/school counselor recommendation

### **ENG303: AMERICAN LITERATURE (COMPREHENSIVE)**

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** ENG203: Literary Analysis and Composition II (or equivalent)

### **ENG304: HONORS AMERICAN LITERATURE**

In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. The literary works provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics. Students enrolled in this challenging course will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** ENG204: Honors Literary Analysis and Composition II (or equivalent) and teacher/school counselor recommendation

### **ENG313: RHETORIC**

This course is designed for students who already have a basic understanding of the writing process in general and some experience with research writing. The course examines elements of various analytical writing patterns (expository, descriptive, compare and contrast, argument, etc.). After a refresher of these patterns, students will complete a series of research projects and begin compiling a writing portfolio showcasing their abilities as writers. The goal of this course is to prepare students for the writing challenges that exist for freshmen entering a typical four-year university.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

### **ENG403: BRITISH AND WORLD LITERATURE (COMPREHENSIVE)**

Students read selections from British and world literature and analyze the themes, styles, and structures of these texts. They also make thematic connections among diverse authors, periods, and settings. Students complete guided and

independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice critical reading and writing test-taking skills.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** ENG303: American Literature (or equivalent)

#### **ENG404: HONORS BRITISH AND WORLD LITERATURE**

Students read selections from British and world literature and analyze the themes, styles, and structures of these texts. They also make thematic connections among diverse authors, periods, and settings. Students work independently on many of their analyses and engage in creative collaboration with their peers. Students also practice critical reading and writing test-taking skills.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** ENG304: Honors American Literature (or equivalent) and teacher/school counselor recommendation

#### **ENG500: AP® ENGLISH LANGUAGE AND COMPOSITION**

Students learn to understand and analyze complex works by a variety of authors. They explore the richness of language, including syntax, imitation, word choice, and tone. They also learn composition style and process, starting with exploration, planning, and writing. This continues with editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP® exam.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** ENG304: Honors American Literature (or equivalent) and teacher/school counselor recommendation

#### **ENG510: AP® ENGLISH LITERATURE AND COMPOSITION**

In this course, the equivalent of an introductory college-level survey class, students are immersed in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and discussions. The course places special emphasis on reading comprehension, structural and critical analyses of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP® exam.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** ENG304: Honors American Literature (or equivalent) and teacher/school counselor recommendation

## **MATH COURSES**

**(These courses fulfill the Math Credit Requirement)**

---

#### **MTH123: ALGEBRA I (COMPREHENSIVE)**

Students develop algebraic fluency by learning the skills needed to solve equations and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Topics include simplifying expressions involving variables, fractions, exponents, and radicals; working with integers, rational numbers, and irrational numbers; graphing and solving equations and inequalities; using factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulating valid mathematical arguments using various types of reasoning; and translating word problems into mathematical equations and then using the equations to solve the original problems. It covers translating functions, higher degree roots, and complex factoring techniques.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** Pre-Algebra or MTH113: Pre-Algebra (or equivalent)

*Note: Students who have already succeeded in Middle School Algebra I should not enroll in this course.*

#### **MTH124: HONORS ALGEBRA I**

This course prepares students for more advanced courses while they develop algebraic fluency, learn the skills needed to solve equations, and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Topics include simplifying expressions involving variables, fractions, exponents, and radicals; working with integers, rational numbers, and irrational numbers; graphing and solving equations and inequalities; using factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulating valid mathematical arguments using various types of reasoning; and translating word problems into mathematical equations and then using the equations to solve the original problems. This course includes all the topics in MTH123, but includes more challenging assignments and optional challenge activities. Each semester also includes an independent honors project.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Success in previous math course and teacher/school counselor recommendation

*Note: Students who have already succeeded in Middle School Algebra I should not enroll in this course.*

#### **MTH203: GEOMETRY (COMPREHENSIVE)**

In this comprehensive course, students are challenged to recognize and work with geometric concepts in various contexts.

They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry. They develop deeper understandings of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** MTH123: Algebra I (or equivalent)

### **MTH204: HONORS GEOMETRY**

Students work with advanced geometric concepts in various contexts. They build in-depth ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry. They also develop a sophisticated understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries. Students work on additional challenging assignments, assessments, and research projects.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** MTH123: Algebra I or MTH124: Honors Algebra I (or equivalent) and teacher/school counselor recommendation

### **MTH303: ALGEBRA II (COMPREHENSIVE)**

This course builds upon algebraic concepts covered in Algebra I and prepares students for advanced-level courses. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include conic sections, functions and their graphs, quadratic functions, inverse functions, and advanced polynomial functions. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; and data analysis.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** MTH123: Algebra I and MTH203: Geometry (or equivalents)

### **MTH304: HONORS ALGEBRA II**

This course builds upon advanced algebraic concepts covered in Algebra I and prepares students for advanced-level courses. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, complex

numbers, and advanced polynomial functions. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; probability; statistics; and conic sections. Students work on additional challenging assignments, assessments, and research projects.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** MTH123 or MTH124 (Honors): Algebra I and MTH203 or MTH204 (Honors): Geometry (or equivalents) and teacher/school counselor recommendation

### **PRE-CALCULUS**

The purpose of this course is to investigate the major topics in Pre-Calculus and prepare students to continue on to Calculus. After completing this course, students will understand polynomial functions, polar coordinates, complex numbers, conic sections, exponential functions, logarithmic functions, sequences, and series.

**Course Length:** One semester, offered spring semester only

**Prerequisite:** Trigonometry

### **TRIGONOMETRY**

This course introduces students to the concepts of trigonometry. Students will learn about the basic trigonometric functions and how to graph these functions. Students will also learn how to solve right triangles and how to use law of sines and law of cosines. Students will also explore how these concepts connect to real-world applications.

**Course Length:** One semester, offered fall semester only

**Prerequisite:** Algebra II

### **MTH413: PROBABILITY AND STATISTICS (COMPREHENSIVE)**

Students learn counting methods, probability, descriptive statistics, graphs of data, the normal curve, statistical inference, and linear regression. Proficiency is measured through frequent online and offline assessments as well as asynchronous discussions. Problem solving activities provide an opportunity for students to demonstrate their skills in real-world situations.

**Course Length:** One semester, offered fall and spring semesters

**Prerequisite:** MTH303: Algebra II (or equivalent)

### **MTH433: CALCULUS (COMPREHENSIVE)**

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented in 10 units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded

graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Pre-Calculus and Trigonometry (or equivalents)

### **MTH500: AP® CALCULUS AB**

This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP® exam.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Pre-Calculus and Trigonometry (or equivalents)

### **MTH510: AP® STATISTICS**

This course is the equivalent of an introductory college-level course. Statistics—the art of drawing conclusions from imperfect data and the science of real-world uncertainties—plays an important role in many fields. Students collect, analyze, graph, and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research. Students prepare for the AP® exam.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** MTH304: Honors Algebra II (or equivalent) and teacher/school counselor recommendation

### **MTH520: AP® CALCULUS BC**

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

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** MTH204: Honors Geometry, MTH304: Honors Algebra II, Pre-Calculus and Trigonometry (or equivalents), and teacher/school counselor recommendation

## **SCIENCE**

**(These courses fulfill the Science Credit Requirement)**

---

### **SCI113: EARTH SCIENCE (COMPREHENSIVE)**

This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, an associated reference book, collaborative activities, virtual laboratories, and hands-on laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** Middle School Life Science (or equivalent)

### **SCI114: HONORS EARTH SCIENCE**

This challenging course provides students with an honors-level earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of online lessons, an associated reference book, collaborative activities, and hands-on laboratories students can conduct at home. The course prepares students for advanced studies in geology, meteorology, oceanography, and astronomy courses, and gives them more sophisticated experience in implementing scientific methods. Additional honors assignments includes debates, research papers, and extended collaborative laboratories.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School Earth Science (or equivalent), Middle School Physical Science (suggested, or equivalent); and teacher/school counselor recommendation

### **SCI203: BIOLOGY (COMPREHENSIVE)**

In this comprehensive course, students investigate the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons, including extensive animations, an associated reference book, collaborative explorations, virtual laboratories, and hands-on laboratory experiments students can conduct at home.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** Middle School Life Science (or equivalent)

### **SCI204: HONORS BIOLOGY**

This course provides students with a challenging honors-level biology curriculum, focusing on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of advanced online lessons, including extensive animations, an associated reference

book, collaborative explorations, and hands-on laboratory experiments students can conduct at home. Honors activities include debates, research papers, extended collaborative laboratories, and virtual laboratories.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School Life Science (or equivalent), success in previous science course; and teacher/school counselor recommendation

### **SCI303: CHEMISTRY (COMPREHENSIVE)**

This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, laboratories, and related assessments, used with a problem-solving book.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** SCI203: Biology and MTH123: Algebra I (or equivalents) and enrolled in MTH303: Algebra II

### **SCI304: HONORS CHEMISTRY**

This advanced course gives students a solid basis to move on to more advanced courses. The challenging course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community-based written research projects, treat aspects of chemistry that require individual research and reporting, and participate in online threaded discussions.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** SCI203: Biology and MTH123: Algebra I (or equivalent) and enrolled in MTH303: Algebra II

### **SCI403: PHYSICS (COMPREHENSIVE)**

This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. The course gives students a solid basis to move on to more advanced courses later in their academic careers. The program consists of online instruction, laboratories, and related assessments, plus an associated problem-solving book.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** MTH303: Algebra II and Pre-Calculus and Trigonometry (or equivalents)

### **SCI404: HONORS PHYSICS**

This advanced course surveys all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, and magnetism, and introduces students to modern physics topics such as quantum theory and the atomic nucleus. Additional honors assignments include debates, research papers, extended collaborative laboratories, and virtual laboratories. The course gives a solid basis for moving on to more advanced college physics courses. The program consists of online instruction, laboratories, and related assessments, plus an associated problem-solving book.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** MTH303: Algebra II or MTH304: Honors Algebra II, Pre-Calculus and Trigonometry (or equivalents), and teacher/school counselor recommendation

### **SCI500: AP® BIOLOGY**

This course guides students to a deeper understanding of biological concepts, including the diversity and unity of life, energy and the processes of life, homeostasis, and genetics. Students learn about regulation, communication, and signaling in living organisms as well as interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on laboratory experiments, and practice assessments. These activities are designed to help students gain an understanding of the science process and critical-thinking skills necessary to answer questions on the AP® Biology exam.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** SCI204: Honors Biology, SCI303: Comprehensive Chemistry, MTH124: Honors Algebra I (or equivalents), and teacher/school counselor recommendation required; MTH304: Honors Algebra II highly recommended

### **SCI510: AP® CHEMISTRY**

Students solve chemical problems by using mathematical formulation principles and chemical calculations in addition to laboratory experiments. They build on their general understanding of chemical principles and engage in a more in-depth study of the nature and reactivity of matter. Students focus on the structure of atoms, molecules, and ions, and then go on to analyze the relationship between molecular structure and chemical and physical properties. To investigate this relationship, students examine the molecular composition of common substances and learn to transform them through chemical reactions with increasingly predictable outcomes. Students prepare for the AP® exam.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** SCI304: Honors Chemistry, MTH304: Honors Algebra II (or equivalents), and teacher/school counselor recommendation

### SCI530: AP® ENVIRONMENTAL SCIENCE

AP® Environmental Science is equivalent to an introductory college-level environmental science course and is designed to prepare students for the College Board AP® Environmental Science exam. AP® Environmental Science is interdisciplinary, incorporating various topics from different disciplines and areas of science.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Students must have taken at least one year of high school algebra and successfully completed a high school earth science.

## HISTORY AND SOCIAL SCIENCES

(These courses fulfill the History Credit Requirement)

---

### HST103: WORLD HISTORY (COMPREHENSIVE)

In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School American History Before 1865, World History I, or World History II (or equivalents)

### HST104: HONORS WORLD HISTORY

In this challenging survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School American History Before 1865, World History I, or World History II (or equivalents)

### HST203: MODERN WORLD STUDIES (COMPREHENSIVE)

In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography, and investigate issues of concern in the contemporary world. Online lessons help students organize study, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School World History I and World History II (or equivalents)

### HST204: HONORS MODERN WORLD STUDIES

In this advanced course, students investigate the history of the world from approximately 1870 to the present. They begin with an analysis of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students undertake an in-depth examination of both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore advanced topics in physical and human geography, and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School World History I and World History II (or equivalents), success in previous social studies course, and teacher/school counselor recommendation

### HST303: U.S. HISTORY (COMPREHENSIVE)

This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating time lines, completing projects and written assignments, and conducting independent research.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** HST103: World History or HST203: Modern World Studies (or equivalents)

### **HST304: HONORS U.S. HISTORY**

This course is a challenging, full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** HST103: World History, HST104: Honors World History, HST204: Honors Modern World Studies (or equivalents), and teacher/school counselor recommendation

### **HST313: MODERN U.S. HISTORY (COMPREHENSIVE)**

This course is a full-year survey that provides students with a comprehensive view of American history from the industrial revolution of the late nineteenth century to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School American History Before 1865 and American History Since 1865 (or equivalents)

### **HST314: HONORS MODERN U.S. HISTORY**

This course is a challenging, full-year survey that provides students with a comprehensive view of American history from the industrial revolution of the late 19th century to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Middle School American History Before 1865 and American History Since 1865 (or equivalents)

### **HST403: U.S. GOVERNMENT AND POLITICS (COMPREHENSIVE)**

This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court, and discuss their own views on current political issues.

**Course Length:** One semester, offered fall semester only

**Prerequisite:** HST303: U.S. History (or equivalent) is recommended but not required

### **HST413: U.S. AND GLOBAL ECONOMICS (COMPREHENSIVE)**

In this course on economic principles, students explore choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism such as unemployment, inflation, and the national debt; and a survey of markets in such areas as China, Europe, and the Middle East.

**Course Length:** One semester, offered spring semester only

**Prerequisite:** HST403: U.S. Government and Politics (or equivalent) is recommended but not required

### **HST500: AP® U.S. HISTORY**

Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP® exam, but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Success in previous history course and teacher/school counselor recommendation

### **HST510: AP® U.S. GOVERNMENT AND POLITICS**

In this course, students explore the operations and structure of the U.S. government. Students evaluate political data, hypotheses, concepts, opinions, and processes and learn how to gather data about political behavior and develop their own theoretical analysis of American politics. Students also build the skills they need to examine general propositions about government and politics, and to analyze specific relationships between political, social, and economic institutions. Students prepare for the AP Exam and for further study in political science, law, education, business, and history.

**Course Length:** One semester, offered fall semester only

**Prerequisites:** HST304: Honors U.S. History (or equivalent); and teacher/school counselor recommendation

### **HST520: AP® MACROECONOMICS**

This course is the equivalent of an introductory college-level course. Students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. Students also examine how individuals and institutions are influenced by employment rates, government spending, inflation, taxes, and production. Students prepare for the AP® exam.

**Course Length:** One semester, offered spring semester only

**Prerequisites:** MTH304: Honors Algebra II (or equivalent); and teacher/school counselor recommendation

### **HST530: AP® MICROECONOMICS**

This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP® exam.

**Course Length:** One semester, offered fall semester only

**Prerequisites:** MTH304: Honors Algebra II (or equivalent) and teacher/school counselor recommendation

### **HST540: AP® PSYCHOLOGY**

This course is the equivalent of an introductory college-level course. Students receive an overview of current psychological research methods and theories. They explore the therapies used by professional counselors and clinical psychologists, and examine the reasons for normal human reactions: how people learn and think, the process of human development and human

aggression, altruism, intimacy, and self-reflection. They study core psychological concepts, such as the brain and sensory functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Students prepare for the AP® exam.

**Course Length:** One semester, offered fall and spring semesters

**Prerequisites:** SCI204: Honors Biology (or equivalent) and teacher/school counselor recommendation

### **HST560: AP® WORLD HISTORY**

This course spans the Neolithic Age to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human–environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomenon, and developing historical interpretation. Students prepare for the AP® World History exam.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Success in previous history course and teacher/school counselor recommendation

## **WORLD LANGUAGES**

**(These courses fulfill the World Language Credit Requirement)**

### **WLG100: SPANISH I**

Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language-learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

*Note: Students who have already completed Middle School Spanish 2 should enroll in Spanish II rather than in Spanish I.*

## **WLG200: SPANISH II**

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in Spanish.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** WLG100: Spanish I or Middle School Spanish 1 and 2 (or equivalents)

## **WLG300: SPANISH III**

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities that teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; read and analyze important pieces of Hispanic literature; and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in Spanish.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** WLG200: Spanish II (or equivalent)

## **WLG500: AP® SPANISH LANGUAGE AND CULTURE**

The AP® Spanish Language and Culture course is an advanced language course in which students acquire proficiencies that

expand their cognitive, analytical and communicative skills. The AP® Spanish Language and Culture course prepares students for the College Board's AP® Spanish Language and Culture exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Strong success in WLG300: Spanish III or in WLG400-AVT: Spanish IV (or equivalents) and teacher/school counselor recommendation

## **WLG110: FRENCH I**

Students begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language-learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

*Note: Students who have already completed Middle School French 2 should enroll in French II rather than in French I.*

## **WLG210: FRENCH II**

Students continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves

more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations and respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in French.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** WLG110: French I or Middle School French 1 and 2 (or equivalents)

### **WLG310: FRENCH III**

Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities that teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in both formal and informal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics; respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; read and analyze important pieces of literature; and take frequent assessments where their language progression can be monitored.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** WLG210: French II (or equivalent)

### **WLG510: AP® FRENCH LANGUAGE AND CULTURE**

The AP® French Language and Culture course is an advanced language course in which students prepare for the AP® French Language and Culture exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices,

and perspectives. Students should expect to listen to, read, and understand a wide-variety of authentic French language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using French; gain knowledge and understanding of the cultures of the Francophone world; use French to connect with other disciplines and expand knowledge in a wide-variety of contexts; develop insight into the nature of the French language and its culture; and use French to participate in communities at home and around the world. The AP® French Language course is a college level course.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** Strong success in WLG310: French III or in WLG410-AVT: French IV (or equivalents) and teacher/school counselor recommendation

### **WLG120: GERMAN I**

Students begin their introduction to German by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language-learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations; respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments where their language progression can be monitored.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

*Note: Students who have already succeeded in Middle School German 2 should enroll in German II rather than in German I.*

### **WLG220: GERMAN II**

Students continue their study of German by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning; understand common vocabulary terms and phrases; use a wide range of grammar patterns in their speaking and writing; participate in conversations; respond

appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; and take frequent assessments where their language progression can be monitored.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisites:** WLG120: German I or Middle School German 1 and 2 (or equivalents)

## ADDITIONAL ENTREPRENEURIAL ELECTIVES

---

### **BUS040: INTRODUCTION TO ENTREPRENEURSHIP I**

In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a nonprofit to help others, this course helps students develop the core skills they need to be successful. They learn how to come up with new business ideas, attract investors, market their business, and manage expenses.

**Course Length:** One semester, offered fall and spring semesters

### **BUS050: INTRODUCTION TO ENTREPRENEURSHIP II**

Students build on the business concepts they learned in Introduction to Entrepreneurship I. They learn about sales methods, financing and credit, accounting, pricing, and government regulations. They enhance their employability skills by preparing job-related documents, developing interviewing skills, and learning about hiring, firing, and managing employees. Students develop a complete business plan and a presentation for potential investors.

**Course Length:** One semester, offered spring semester only

**Prerequisite:** BUS040: Introduction to Entrepreneurship I (or equivalent)

### **BUS060: INTRODUCTION TO MARKETING I**

Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management.

**Course Length:** One semester, offered fall and spring semesters

### **BUS070: INTRODUCTION TO MARKETING II**

Students build on the skills and concepts learned in Introduction to Marketing I to develop a basic understanding of marketing principles and techniques. By the end of the course, they will have developed their own comprehensive marketing plan for a new business.

**Course Length:** One semester, offered spring semester only

**Prerequisite:** BUS060: Introduction to Marketing I (or equivalent)

### **BUS080: INTERNATIONAL BUSINESS**

From geography to culture, global business is an exciting topic in the business community today. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in the global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Students explore business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations. They also cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in 21st-century business activities.

**Course Length:** One semester, offered fall semester only

### **BUS090: SPORTS AND ENTERTAINMENT MARKETING**

In this course, students have the opportunity to explore basic marketing principles and delve deeper into the multibillion-dollar sports and entertainment marketing industry. Students learn how professional athletes, sports teams, and well-known entertainers are marketed and how some of them become billionaires as a result. For students who have ever wondered about how things work behind the scenes of a major sporting event, such as the Super Bowl, or even entertained the idea of playing a role in such an event, this course introduces the fundamentals of such a career.

**Course Length:** One semester, offered spring semester only

### **BUS111: GENERAL ACCOUNTING I & BUS112: GENERAL ACCOUNTING II**

This course provides students with a foundation in the mechanics of accounting, as well as the opportunity to apply accounting concepts to real world situations and make informed business decisions. Students explore case studies of companies such as TOMS® Shoes, iTunes®, American Eagle®, McDonald's, and Google. Students master valued skills, such as critical thinking and technology use, and commercial technology. Students become equipped to work with Microsoft® Excel®, Sage 50®/ Peachtree®, QuickBooks®, and Automated Accounting Online. The courses include units on careers in accounting, ethics, global awareness, financial literacy, and forensic accounting.

*Note: Levels 1 and 2 must be taken in sequential order.*

**Course Length:** General Accounting I is offered in the fall semester only; General Accounting II is offered in the spring semester only

## MTH322: CONSUMER MATH

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester of Consumer Math, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Throughout the course, students participate in online discussions with each other and their teacher.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

## BUS030: PERSONAL FINANCE

In this introductory finance course, students learn basic principles of economics and best practices for managing their own finances. Students learn core skills in creating budgets, developing long-term financial plans to meet their goals, and making responsible choices about income and expenses. They gain a deeper understanding of capitalism and other systems so they can better understand their role in the economy of society.

**Course Length:** One semester, offered fall and spring semesters

## ADDITIONAL SCIENCE AND TECHNOLOGY ELECTIVES

---

### TCH075: 2D ANIMATION

2D Animation will give students the tools to conceptualize and bring their animation dreams to life! Using a variety of software and design programs, students you will have the power to transform your creative notions into reality! Design, define, and complete a variety of digital design projects including creating your own website! 2D Animation could lead to a career in the growing world of technology and animation.

**Course Length:** One semester, offered fall semester only

### TCH076: 3D MODELING

In this course, students gain deeper understanding of graphic design and illustration through the use 3D animation software to create virtual three-dimensional design projects. Student hone in on their drawing, photography, and 3D construction. This course will help develop the skills needed to navigate within a 3D digital modeling workspace while rendering 3D models, and is a good introduction careers in the fast-growing field of technology and design!

**Course Length:** One semester, offered spring semester only

## TCH026: AUDIO ENGINEERING

In this introductory course, students learn about the physics of sound and the history of recording technologies. They learn about the four stages of professional music recording projects: recording, editing, mixing, and mastering. Using Audacity, an open-source recording and mixing program, they practice the techniques used by sound engineers to produce multi-track recordings. Through a series of engaging hands-on projects, they learn the fundamental concepts of audio engineering.

**Course Length:** One semester, offered fall semester only

**Software:** Audacity version 1.3.11; Adobe® Reader; Adobe® Flash Player; 7-Zip compression program (all available by free download within the course)

**System Requirements:** Microsoft® Windows XP®, Windows Vista®, Windows® 7, or Mac® OS X® 10.4 or higher operating system; for Windows XP® and Vista® Home Basic, a 1 GHz or faster processor; for Windows® Vista® Home Premium/Business/Ultimate and Windows® 7, a 2 GHz or faster processor; for Mac® OS X®, a 300 MHz or faster processor; for XP, 512 MB of memory (RAM); for Vista® Home Basic, 2 GB; for Vista® Home Premium/Business/Ultimate and for Windows® 7, 4 GB; for Mac® OS X®, 64 MB; at least 4 GB of available hard drive space

## TCH028: DIGITAL ARTS I

In this exploratory course, students learn the elements and principles of design and foundational concepts of visual communication. While surveying a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they've learned. They explore career opportunities in the design, production, display, and presentation of digital artwork. They respond to the artwork of others and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

**Course Length:** One semester, offered fall semester only

**Software:** Inkscape™ version 0.47-3; Adobe® Reader®; Adobe® Flash® Player; 7-Zip compression program (all available by free download within the course)

**System Requirements:** Microsoft® Windows XP®, Windows Vista®, or Mac® OS X® 10.3 or higher operating system, 1 GHz or faster processor; at least 512 MB of memory (RAM); at least 1 GB of available hard drive space

## TCH029: DIGITAL ARTS II

Students build on the skills and concepts they learned in Digital Arts I, as they develop their vocabulary of digital design elements. By the end of the course, they will have created a collection of digital art projects for their digital design portfolio.

**Course Length:** One semester, offered spring semester only

**Software:** Inkscape™ version 0.47-3; Adobe® Reader®; Adobe® Flash® Player; 7-Zip compression program (all available by free download within the course)

**System Requirements:** Microsoft® Windows XP®, Windows Vista®, or Mac® OS X® 10.3 or higher operating system, 1 GHz or faster processor; at least 512 MB of memory (RAM); at least 1 GB of available hard drive space

**Prerequisite:** TCH028: Digital Arts I (or equivalent)

### **TCH031: DIGITAL PHOTOGRAPHY I**

This course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students are introduced to the history of photography and basic camera functions. They use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-ups, and action photographs.

**Course Length:** One semester, offered fall semester only

### **TCH032: DIGITAL PHOTOGRAPHY II**

In today's world, photographs are all around us, including in advertisements, on websites, and on the wall as art. Many of the images have been created by professional photographers. In this course, students learn about various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in such as wedding photography and product photography. Students also learn about some of the most respected professional photographers in history and how to critique photographs to better understand what creates an eye-catching photograph.

**Course Length:** One semester, offered spring semester only

**Prerequisite:** TCH031: Digital Photography I

### **OTH221: ENGINEERING FUNDAMENTALS 1**

This course is designed to give students strong problem-solving skills and a solid foundation in fundamental principles they will need to become analytical, detail-oriented, and innovative engineers. The course begins with an overview of what engineers do, an inside glimpse of the various areas of specialization, and a straightforward look at what it takes to be successful in engineering. It then covers the basic physical concepts and laws that students will encounter on the job. The course also includes professional profiles that highlight the work of practicing engineers from around the globe. Throughout, the course demonstrates how engineers apply physical and chemical laws and principles, as well as mathematics, to design, test, and supervise the production of millions of parts, products, and services that people use every day.

**Course Length:** One semester, offered spring semester only

### **TCH040: WEB DESIGN**

This course provides a comprehensive introduction to the essentials of web design, from planning page layouts to

publishing a complete site to the web. Students learn how to use HTML to design their own web pages. The course covers basic HTML tags for formatting text and more advanced tags. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools.

**Course Length:** One semester, offered fall semester only

**System Requirements:** Microsoft® Windows XP® or higher, or Mac® OS X® operating system; 400 MHz or faster processor; 512 MB of memory (RAM); at least 2 GB of hard drive space; Adobe® Reader®

### **TCH331: C++ PROGRAMMING**

This course teaches students to use problem-solving skills involving full-code examples to demonstrate how and why to apply programming concepts while using C++. Programming exercises strengthen student understanding of program design. Students will walk through the stages of Input, Output, Problem Analysis, and Algorithm Design to illustrate key concepts.

**Course Length:** One semester, offered fall semester only

**Prerequisite:** MTH123: Algebra I (or equivalent)

### **TCH071: GAME DESIGN 1**

With this course, students will learn about different video game software and hardware; various gaming platforms; the technical skills necessary to design games; troubleshooting and Internet safety techniques; the history of gaming; and students will even have the opportunity to create their own plan for a 2D video game! With the knowledge and skills students will gain in this course, they can take their hobby and turn it into a potential career.

**Course Length:** One semester, offered spring semester only

**System Requirements:** Microsoft® Windows XP® or Windows Vista® operating system; 1 GHz or faster processor; 256 MB of memory (RAM); at least 2 GB of available hard drive space

### **SCI030: FORENSIC SCIENCE**

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

**Course Length:** One semester, offered spring semester only

**Prerequisites:** Successful completion of at least two years of high school science, including SCI203: Biology (or equivalent) and SCI303: Chemistry (or equivalent)

### **SCI010: ENVIRONMENTAL SCIENCE**

This course surveys key topic areas, including the application of scientific process to environmental analysis; ecology; energy flow; ecological structures; earth systems; and atmospheric, land, and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment. Students explore actual case studies and conduct five hands-on, unit-long research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

**Course Length:** One semester, offered fall semester only

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

### **OTH032: ASTRONOMY**

This course introduces students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students examine the life cycle of stars, the properties of planets, and the exploration of space.

**Course Length:** One semester, offered spring semester only

### **OTH033: VETERINARY SCIENCE**

This course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

**Course Length:** One semester, offered fall semester only

### **OTH034: INTRODUCTION TO AGRISCIENCE**

In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

**Course Length:** One semester, offered spring semester only

### **HLT212: INTRODUCTION TO MEDICAL TERMINOLOGY**

This course simplifies the process of memorizing complex medical terminology by focusing on the important word parts—common prefixes, suffixes and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information: an

overview of the body system's structure and functions, a summary of applicable medical specialties, and ultimately pathology, diagnostic, and treatment procedures.

**Course Length:** One semester, offered fall semester only

### **SCI321: ANATOMY & PHYSIOLOGY 1**

This is the first semester of a two semester course. The course provides a thorough introduction to the basics required for the study of the human body and how it functions. This course walks students step by step from a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, to an overall review of human development and body processes. In addition, diseases and disorders are integrated throughout the course, to link physiology with anatomy.

**Course Length:** One semester, offered fall semester only.

### **SCI322: ANATOMY & PHYSIOLOGY 2**

This is the second semester of a two semester course. The course continues to provide a thorough introduction to the basics required for the study of the human body and how it functions. This course walks students step by step from a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, to an overall review of human development and body processes. In addition, diseases and disorders are integrated throughout the course, to link physiology with anatomy.

**Course Length:** One semester, offered spring semester only

### **OTH092: HEALTH SCIENCES I**

This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

**Course Length:** One semester, offered fall and spring semesters

## **ADDITIONAL LIBERAL ARTS ELECTIVES**

---

### **OTH091: LAW AND ORDER**

This course focuses on the creation and application of laws in society. Topics include how law and ethics are intertwined, the lawmaking process, and the steps involved in the court system. In addition, students will take a closer look at individual types of laws, including criminal, tort, consumer, and family law.

**Course Length:** One semester, offered spring semester only

## ENG010: JOURNALISM

Students are introduced to the historical importance of journalism in America. They study the basic principles of print and online journalism as they examine the role of printed news media in our society. They learn investigative skills, responsible reporting, and journalistic writing techniques as they read, respond to, and write their own news and feature articles. Students conduct interviews, research, write, and design their own publications.

**Course Length:** One semester, offered fall semester only

## HST010: ANTHROPOLOGY

Anthropologists research the characteristics and origins of the cultural, social, and physical development of humans and consider why some cultures change and others come to an end. In this course, students are introduced to the five main branches of anthropology: physical, cultural, linguistic, social, and archeological. Through instruction and their own investigation and analysis, students explore these topics, considering their relationship to other social sciences such as history, geography, sociology, economics, political science, and psychology. Emulating professional anthropologists, students apply their knowledge and observational skills to the real-life study of cultures in the United States and around the world.

**Course Length:** One semester, offered spring semester only

**Prerequisite:** HST103: World History (or equivalent) recommended as a prerequisite or co-requisite but not required

## HST020: PSYCHOLOGY

In this one-semester course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises. Students learn how to define and use key psychology terms and how to apply psychological principles to their own lives. Unit topics include: Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

**Course Length:** One semester, offered spring semester only

## OTH031: ARCHAEOLOGY

George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archaeology helps us better understand the events and societies of the past that have helped shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted as well as how artifacts are located and preserved. Finally, students learn about the relationship of material items to culture and what we can learn about past societies from these items.

**Course Length:** One semester, offered fall semester only

## ART010: FINE ART

This course combines art history, appreciation, and analysis, while engaging students in hands-on creative projects. Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

## ART020: MUSIC APPRECIATION

This course introduces students to the history, theory, and genres of music. The first semester covers basic music theory concepts as well as early musical forms, classical music, patriotic and nationalistic music, and 20th century music. The second semester presents modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. To comply with certain state standards for the arts, a student "performance practicum" is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills. Parents or guardians will be required to present their student's proposed practicum to the students' teachers for approval, and validate their student's regular participation in the chosen performance practicum.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously. A passing grade in semester A is required to enroll in semester B.

## ENG030: CREATIVE WRITING

Students create original essays, poems, and short stories in this course, which focuses on the four-step process writing model. They read professionally written forms of creative writing as models and then integrate their impressions of these works with their personal life experiences as they compose their own writing projects. Students are encouraged to write about topics they find engaging as they practice writing on the following themes: narration, definition, process analysis, cause and effect, and comparison/contrast. The teacher supplies feedback that helps students learn how to improve their self-expression and self-editing skills.

**Course Length:** Two semesters. Semesters A and B should be taken consecutively and not simultaneously.

**Prerequisite:** Successful completion of ENG 202: Literary Analysis and Composition II (or equivalent)

## **ENG020: PUBLIC SPEAKING**

Students are introduced to public speaking as an important component of their academic, work, and social lives. They study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.

**Course Length:** One semester, offered spring semester only

## **JOURNEYS SYMPOSIUM**

---

Entering a new school (and an online one to boot!) can be a difficult transition. The Journeys Symposium Middle and High School programs blend a robust online learning introduction with help in establishing academic, social, and emotional skills to best prepare students for success in middle school, high school, and beyond. Students meet in online classrooms with their Journeys instructor and classmates, building a sense of community and camaraderie as well as essential skill sets. The Journeys Symposium High School program is composed of two, consecutive year-long seminars.

### **GRADE 9: THE WRITER WITHIN: REFLECT, RESPOND, REAFFIRM**

Students explore and evaluate their personal interests, habits, and preferences through writing exercises and guided experiences that give them greater insight into themselves and each other. Part of this “immersion in self-awareness” is an assessment of their learning styles and needs. Each student emerges with a concrete set of goals as well as an initial college search plan.

**Course Length:** Two semesters

### **GRADE 10: SERVICE TO A CAUSE: COMMUNITY, COMPASSION, COMMITMENT**

Incorporating their developing self-awareness into the realm of team and community, students engage in a direct, hands-on service experience of their choice. Critical to this endeavor is in-depth analysis and reflection on the dynamics that lead to effective team action and community involvement. The result is a blueprint that students can use for skillful and responsible stewardship in the future.

**Course Length:** Two semesters

## **GRADE 11: INSIGHTS INTO LEADERSHIP: VALOR, VISION, VOICES**

Students continue to apply their sense of self and community by building—and telling—their own unique stories. This sixth year in the Symposium stresses the conviction that every individual adds a distinctive, vital chapter to the whole human story. Through an iterative series of writing challenges, presentations, and discussions, each student crafts a powerful personal narrative that can be used as his or her college essay.

**Course Length:** Two semesters

## **GRADE 12: THE CAPSTONE PROJECT: ACHIEVEMENT INTO ACTION**

This final “journey” includes a practical focus on the college application process as well as a study of different leadership styles and theories as they apply to real-life situations. Students research, examine, and report on various examples of courage, motivation, influence, triumph, and legacy fulfillment—current and historical—made more immediate and relevant through their pursuit of a self-selected, hands-on leadership opportunity.

**Course Length:** Two semesters

## **ORIENTATION**

---

### **ONLINE LEARNING**

The Online Learning course explains to students how the K12 high school program works, and provides tips on successful online learning. Students are introduced to the online tools they will use during their high school experience, including the Learning Management System that delivers course assignments. Students take part in online discussions and practice submitting computer-scored assessments and other assignments to teachers. Lifelong learning skills, such as time management and study habits, are also covered. By the end of the course, students will be fully prepared to begin their K12 high school courses.

**Course Length:** 6–8 hours

	Comprehensive	Honors	AP®	Full Year Course	Fall	Spring
--	---------------	--------	-----	------------------	------	--------

<b>ENGLISH</b>						
Literary Analysis and Composition I	•	•		•		
Literary Analysis and Composition II	•	•		•		
American Literature	•	•		•		
Rhetoric	•			•		
British and World Literature	•	•		•		
AP® English Language and Composition			•	•		
AP® English Literature and Composition			•	•		

<b>MATH</b>						
Algebra I	•	•		•		
Geometry	•	•		•		
Algebra II	•	•		•		
Trigonometry	•				•	
Pre-Calculus						•
Probability and Statistics*	•				•	•
Calculus	•			•		
AP® Calculus AB			•	•		
AP® Statistics			•	•		
AP® Calculus BC			•	•		

<b>SCIENCE</b>						
Earth Science	•	•		•		
Biology	•	•		•		
Chemistry	•	•		•		
Physics	•	•		•		
AP® Biology			•	•		
AP® Chemistry			•	•		
AP® Environmental Science			•	•		

<b>HISTORY AND SOCIAL SCIENCES</b>						
World History	•	•		•		
Modern World Studies	•	•		•		
U.S. History	•	•		•		
Modern U.S. History	•	•		•		
U.S. Government and Politics*	•				•	
U.S. and Global Economics*	•					•
AP® U.S. History			•	•		
AP® U.S. Government and Politics			•	•		
AP® Macroeconomics*			•		•	
AP® Microeconomics*			•	•		
AP® Psychology*			•		•	•
AP® World History			•	•		

<b>WORLD LANGUAGES</b>						
Spanish I	•			•		
Spanish II	•			•		
Spanish III	•			•		
AP® Spanish Language and Culture			•	•		
French I	•			•		
French II	•			•		
French III	•			•		
AP® French Language and Culture			•	•		
German I	•			•		
German II	•			•		

	Full Year Course	Fall	Spring
--	------------------	------	--------

<b>ADDITIONAL ENTREPRENEURIAL ELECTIVES</b>			
Introduction to Entrepreneurship I*		•	•
Introduction to Entrepreneurship II*		•	•
Introduction to Marketing I*		•	•
Introduction to Marketing II*			•
General Accounting I*		•	
General Accounting II*			•
International Business*		•	
Sports and Entertainment Marketing*			•
Consumer Math*	•		
Personal Finance*		•	•

<b>ADDITIONAL SCIENCE AND TECHNOLOGY ELECTIVES</b>			
Digital Arts I*		•	
Digital Arts II*			•
Introduction to Computer Science*		•	
Java™ Programming 1*		•	
Java™ Programming 2*			•
Programming Logic & Design*			•
3D Art I: Modeling*		•	
3D Art II: Animation*			•
Audio Engineering*		•	
Digital Photography I*		•	
Digital Photography II*			•
Engineering Design/CAD* <sup>PC</sup>			•
Web Design*		•	
C++ Programming* <sup>PC</sup>		•	
Game Design* <sup>PC</sup>			•
Forensic Science*			•
Environmental Science*		•	
Astronomy*			•
Veterinary Science*		•	
Introduction to Agriscience*			•
Medical Terminology*		•	
Anatomy and Physiology	•		
Health Sciences*		•	•

<b>ADDITIONAL LIBERAL ARTS ELECTIVES</b>			
Law and Order*			•
Journalism*		•	
Anthropology*			•
Psychology*			•
Archaeology*		•	
Fine Art	•		
Music Appreciation	•		
Creative Writing	•		
Public Speaking*			•

<b>JOURNEYS SYMPOSIUM</b>			
Grade 9: The Writer Within: Reflect, Respond, Reaffirm	•		
Grade 10: Service to a Cause: Community, Compassion, Commitment	•		
Grade 11: Insights in Leadership: Valor, Vision, Voices	•		
Grade 12: The Capstone Project: Achievement into Action	•		

<sup>PC</sup> = for PC only (not Mac)

\* = one-semester course (.5 credits)

All courses, unless otherwise noted, are two semesters and one credit. Course materials will be available in various physical and/or digital formats. For the current list of courses with descriptions, please visit [gwuohs.com/academics/curriculum](http://gwuohs.com/academics/curriculum).