

COURSE CATALOG | 2017-2018

Fueled ONLINE COURSES

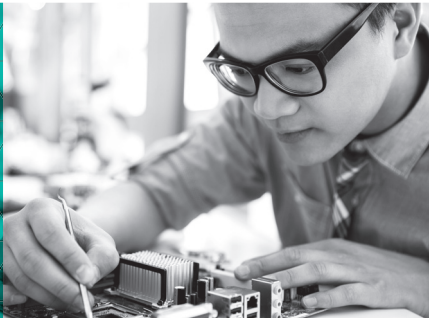
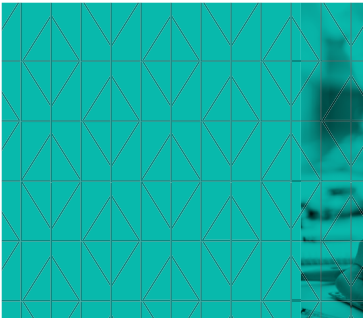


Table of Contents / 2017–2018

MIDDLE SCHOOL COURSE LIST / 2017–2018 2

Language Arts	3
Math	4
Science	5
Social Studies.....	6
Electives	7
World Languages.....	11
eDynamic Learning Electives	16
Summit Math.....	17

HIGH SCHOOL COURSE LIST / 2017–201818

High School Course Level Definitions.....	20
English.....	22
Math	30
Science	38
History and Social Sciences.....	42
Technology and Computer Science	51
Additional Electives	56
World Languages.....	60
eDynamic Learning Electives	71
Summit English.....	80
Summit Math.....	81
Credit Recovery—English	83
Credit Recovery—Math	85
Credit Recovery—Science.....	87
Credit Recovery—History and Social Sciences.....	89
Credit Recovery—World Languages	91
Credit Recovery—Electives.....	92

Middle School Course List / 2017–2018

Language Arts

- Grade 6 Language Arts **M**
- Grade 7 Language Arts **M**
- Grade 8 Language Arts **M**

Math

- Algebra **M**
- Fundamentals of Geometry and Algebra **M**
- Pre-Algebra **M**

Science

- Earth Science **M**
- Life Science **M**
- Physical Science **M**

Social Studies

- Family and Consumer Science *****
- Social Studies 6
- Social Studies 7
- Social Studies 8

Electives

- Art 6 *****
- Art 7 *****
- Art 8 *****
- Career Explorations 8 *****
- Health 6 *****
- Health 7 *****
- Health 8 *****
- Music 6 *****
- Music 7 *****
- Music 8 *****
- Physical Education 6 *****
- Physical Education 7 *****
- Physical Education 8 *****

World Languages

- Chinese 1 (Middlebury)
- Chinese 2 (Middlebury)
- French 1 (Middlebury)
- French 2 (Middlebury)
- German 1 (Middlebury)
- German 2 (Middlebury)
- Latin 1 (Middlebury)
- Latin 2 (Middlebury)
- Spanish 1 (Middlebury)
- Spanish 2 (Middlebury)
- World Language Survey *****

eDynamic Learning Electives **+**

- Journalism *****
- Photography *****

Summit Math **+**

- Math 6 **A M N T**
- Math 7 **A M N T**
- Math 8 **A M N T**



Language Arts

Grade 6 Language Arts

This course equips students with the essential language arts skills needed throughout their academic careers. Students read and analyze a variety of informational and fictional texts. Instruction and reading strategies accompany reading selections to help engage students in the text and sharpen their comprehension. Students express their ideas and knowledge using standard (formal) English in written and oral assignments. Writing expressive, analytical, and procedural compositions helps students develop communication skills necessary in today's world. Vocabulary is taught explicitly and through an array of vocabulary acquisition strategies that give students the tools to independently increase their vocabulary. Students study grammar, usage, and mechanics, and practice sentence analysis, sentence structure, and proper punctuation. Portfolios created by students provide a platform for them to set goals, monitor their progress, and reflect on their accomplishments and challenges. The course includes discussion activities that engage students in the curriculum while creating a sense of community. This course meets Common Core State Standards.

Grade 7 Language Arts

This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and structure of various genres of writing enhances students' communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies. Portfolios created by students provide a platform for them to set goals, monitor their progress, and reflect on their accomplishments and challenges. The course includes discussion activities that engage students in the curriculum while creating a sense of community. This course meets Common Core State Standards.

Grade 8 Language Arts

Throughout this course, 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. This course meets Common Core State Standards.



MIDDLE SCHOOL COURSE LIST

Math

Algebra

Students deepen their computational and problem-solving fluency through topics in linear relationships, functions, and geometry. Proportions are understood as special linear equations in which the constant of proportionality is the slope. Students also consider the fit of bivariate data with linear models. Students solve systems of two linear equations in two variables and relate those solutions to a representation in the coordinate plane. Functions are understood as a rule that determines a unique output for every input. Students apply functions and are able to translate between various representations. Geometry delves into translations, rotations, reflections, and dilations in the coordinate plane. Students also consider the angles created by the transversal of parallel lines. The Pythagorean theorem is explored and used to find distances between points and to analyze polygons. Students also find volumes of cones, cylinders, and spheres. This course meets Common Core State Standards.

Fundamentals of Geometry and Algebra

Students enhance computational and problem-solving skills while learning topics in algebra, geometry, probability, and statistics. They solve expressions and equations in the context of perimeter, area, and volume problems, and develop computational skills with fractions and decimals. The study of plane and solid figures includes construction and transformations of figures. Also in the context of problem solving, students add, subtract, multiply, and divide positive and negative integers, and solve problems involving ratios, proportions, and percentages, including simple and compound interest, rates, discount, tax, and tip problems. They learn multiple representations for communicating information such as graphs on the coordinate plane, statistical data and displays, and the results of probability and sampling experiments. Students investigate patterns involving addition, multiplication, and exponents, and apply number theory and computation to mathematical puzzles. This course meets Common Core State Standards.

Pre-Algebra

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students extend their understanding of ratios to develop an understanding of proportions and solve problems, including scale drawings, percent increase and decrease, simple interest, and tax. They also extend their understanding of numbers and properties of operations to include rational numbers. Signed rational numbers are contextualized and students use rational numbers in constructing expressions and solving equations. Students derive formulas and solve two-dimensional area problems, including the area of composite figures. In three dimensions, students find surface area using formulas and nets. Students also compute the volume of three-dimensional objects, including cubes and prisms. Students make use of sampling techniques to draw inferences about a population, including comparative inferences about two populations. Students also investigate chance processes through experimental and theoretical probability models. This course meets Common Core State Standards.

 0.5 credit course  accessible  ELL-supported content  includes virtual labs  mobile compatible  new course
 translation and text-to-speech tools  upgraded  premium pricing may apply  course coming soon



MIDDLE SCHOOL COURSE LIST

Science

Earth Science **M**

Earth Science builds on the natural curiosity of students. The curriculum gives students an opportunity to relate to their everyday world by connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe. Students explore topics such as the fundamentals of geology, oceanography, meteorology, and astronomy; Earth's minerals and rocks; Earth's interior; plate tectonics, earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the atmosphere; and the solar system and the universe. Hands-on lesson activities and assignments help students discover how scientists investigate the living world.

Life Science **M**

This course invites students to investigate the world of living things—at levels both large and small—by reading, observing, and experimenting with aspects of life on Earth. Students explore an amazing variety of organisms, the complex workings of the cell and cell biology, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students tackle such topics as ecology, microorganisms, animals, plants, cells, species, adaptation, heredity, genetics, and the history of life on Earth. Lesson activities and assignments help students discover how scientists investigate the living world.

Physical Science **M**

Physical Science 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 matter, atoms, molecules, chemical reactions, motion, force, momentum, work and machines, energy, waves, 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.

✳ 0.5 credit course **A** accessible **E** ELL-supported content **L** includes virtual labs **M** mobile compatible **N** new course
T translation and text-to-speech tools **U** upgraded **+** premium pricing may apply **f** course coming soon



Social Studies

Family and Consumer Science ✖

In this course, students develop skills and knowledge to help them transition into adult roles within the family. They learn to make wise consumer choices, prepare nutritious meals, contribute effectively as part of a team, manage a household budget, and balance roles of work and family. They gain an appreciation for the responsibilities of family members throughout the life span and the contributions to the well-being of the family and the community.

Social Studies 6

In this sixth-grade course, students expand their understanding of history, civics and government, geography, economics, society, and culture by studying the people and events that ushered in the dawn of the major Western and non-Western ancient civilizations. The two-semester course presents content in the following themes: Early Civilizations of Mesopotamia, Egypt, and Kush; Ancient Hebrews; Ancient Greece; the Persian Empire; Ancient Asia: Civilizations of India, China, and Japan; and Ancient Rome. Among other skills, Social Studies 6 equips students to sequence, categorize, and identify cause-and-effect relationships of important events of ancient times; understand, describe, and analyze similarities and differences within and among cultures; and describe how citizenship varies among different societies.

Social Studies 7

Seventh-grade students study world history, landforms and geography, money and economics, the powers and parallels of political science, sociology, and anthropology in this two-semester course. Social Studies 7 begins with the mysteries of the ancient empires of the Americas; moves on to the fall of the Roman Empire and the rise of the Franks in Europe; and covers revolutionary Europe, the Industrial Revolution, nationalism and Imperialism, World Wars I and II, colonial India, the United Nations, the Vietnam War, past and current issues in the Middle East, and ancient and modern Africa. The course concludes with an introduction to the Information and Space Ages.

Social Studies 8

This course builds on the concepts of geography, civics, and political societies, beginning with the world as it was in the 1500s. Periods and events covered in Social Studies 8 include the exploration of the New World, the establishment of the American colonies, the colonial era leading up the French and Indian War, the Revolutionary War, the development of American government, the War of 1812, the Louisiana Purchase, the Lewis and Clark exploration, Manifest Destiny, and the Mexican War. Students also explore immigration and abolition issues, the Civil War and Reconstruction, westward expansion, the development of the United States as a world power, World War I, the 1920s, the Great Depression, and World War II.

✖ 0.5 credit course A accessible E ELL-supported content L includes virtual labs M mobile compatible N new course
T translation and text-to-speech tools U upgraded + premium pricing may apply f course coming soon



Electives

Art 6 ✖

In this one-semester course, sixth-grade students learn how to identify and discuss formal elements, principles of design, and stylistic characteristics found in artworks from various world regions. They explore the fundamental concepts of art; how to evaluate art; and how to discern the intended function of natural history museums through hands-on activities, discussions, written assignments, and objective assessments. The course begins with an orientation that provides an introduction to art appreciation and a time line of ancient history. Students move on to study art from various world regions, including Mesopotamia and the Indus River Valley, Egypt, China and Japan, Greece, Italy, and the Americas.

Art 7 ✖

A follow-up course to Art 6, Art 7 continues students' instruction in the fundamental concepts of art, the evaluation of art, and understanding the mission of natural history museums. In this one-semester course, seventh graders explore world regions and study the unique art and architecture that defines the Medieval and Renaissance periods. Using relevant terminology, they learn how to identify and discuss formal elements, principles of design, and stylistic characteristics found in artworks from various world regions. Course content begins with a time line of Medieval and Renaissance history and discussion of art criticism, and is supplemented with hands-on activities, discussions, written assignments, and objective assessments.

Art 8 ✖

Art 8 is intended for eighth-grade students and is a follow-up course to Art 7. The one-semester course continues students' exploration of world regions as they study the unique art and architecture that defines modern-day civilizations. In Art 8, students learn how to converse with others about art and the function of art in modern society as they analyze artworks and identify valid resources for the study of art history and the applied arts. Students do hands-on activities; participate in discussion; turn in written assignments; and take assessments on art from India, China, Japan, Europe, the United States, the Americas, Africa, and the Pacific cultures. Course content includes instruction on writing about art and a discussion of art historians.

Career Explorations ✖

Intended for eighth-grade students, this one-semester course provides an overview of careers available today and helps students identify careers that may suit them. Course content covers the importance of work to individuals and society; the difference between a job and a career; identifying personal strengths, weaknesses, and interests and how they apply to possible careers; the importance of proper work etiquette; and an exploration of various careers in several career clusters. Students complete self-evaluations to determine which careers may be of interest to them. Assignments, including research and interviews, supplement the instructional content and provide a hands-on approach to creating a career plan for the future.



Electives

Health 6 ✖

This one-semester course for sixth-graders provides students with the knowledge and skills necessary for making healthy choices throughout their lives. In Health 6, students learn how to recognize unhealthy and risky behaviors, manage peer pressure, and develop strategies for improving personal and community health. They also gain an understanding of the many different influences on one's health and the interrelationships that occur between mental, physical, social, spiritual, and environmental health. Students have opportunities to demonstrate the skills they've learned in healthy decision making, problem solving, goal setting, effective communication, and refusal negotiation. Content is supplemented with vocabulary quizzes, discussion sessions with peers, multimedia interactive tutorials, lab activities, and interactions with the teacher.

Health 7 ✖

Health 7 is a one-semester course for seventh-graders that builds on content introduced in Health 6. The course begins with a unit on personal and community health. The next unit, on prevention and strategies for risky health behaviors, includes topics such as alcohol and drug abuse, violence, STDs and HIV infection, and nutrition and exercise. The third unit covers factors influencing health practices, behaviors, and attitudes; in this unit, students explore social factors, environmental factors, the media, and resources for health information. The fourth unit presents content to help students develop their communication skills and coping mechanism. The course concludes with a unit on decision making and life skills for healthy living.

Health 8 ✖

Designed for the eighth grade, Health 8 gives students the knowledge and skills necessary to develop and maintain a healthful lifestyle. In this one-semester course, students learn health information and practices for understanding and managing many aspects of their physical, social, intellectual, spiritual, and emotional health throughout adolescence and into adulthood. Topics include nutrition; adolescent development; pregnancy and childbirth; the prevention of diseases, injuries, STDs, and AIDS; substances such as alcohol, drugs, tobacco, and steroids; anxiety disorders; relationships; responsibility; stress management; decision making; self-esteem; and consumer health. Vocabulary quizzes, discussion sessions with peers, interactive tutorials, lab activities, and interactions with the teacher supplement the instructional content.

Music 6 ✖

In this one-semester music appreciation course for sixth-graders, students learn foundational skills such as performing, listening, analyzing, and responding to music. They are exposed to fundamentals of music such as rhythm, harmony, form, and texture. They learn to read and write music notation and to create and arrange music within specified guidelines. Integrated assignments incorporate other areas of study such as science, social studies, and math. Students are exposed to a wide variety of musical styles, including classical, jazz, blues, rock, pop, and bluegrass. They also learn about the use of technology in music, including MIDI, interactive programs, audio equipment, mixers, and recording equipment.



Electives

Music 7 ✖

After seventh-grade students complete this one-semester music appreciation course, which is a follow-up to Music 6, they are able to analyze and evaluate music. The course begins with a study of the fundamentals of music such as musical notation, composition, harmony, rhythm, duration, and intensity. It then covers the role of technology, genre and style, social and cultural impact, and geographic diversity. Students complete activities that require higher critical thinking skills and integrate other areas of study such as math, social studies, and science. They learn to understand music's role in history, make critical judgments and informed music choices, and reflect on musical periods and styles.

Music 8 ✖

Music 8 is a one-semester music appreciation course for eighth-grade students that teaches them how to critically analyze music, use proper music terminology to describe musical concepts, and create music. The course includes fundamentals such as musical notation; the concepts of melody, harmony, tone, and pitch; the various families of musical instruments; and the function and benefits of rehearsal and practice sessions. Students learn about different genres of music, including classical, country, blues, Latin, and gospel. Integrated assignments incorporate other content areas of study such as social studies, science, and math. Students learn to relate music to geographic regions such as Africa, Asia, Central America, Europe, and North and South America.

Physical Education 6 ✖

Physical Education 6 is a one-semester course that introduces sixth-grade students to the essential principles that can help them live healthy, active lifestyles. Students learn about team sports, dance, and lifetime activities such as yoga/Pilates®, kickboxing, golf, fitness walking, and badminton. They are introduced to a variety of dance styles from around the world, including square dance, folk dance, aerobic dance, hip hop, and rhythmic gymnastics. Students learn fitness basics, including target heart rate, fitness testing, goal setting, and weight training, and they learn the importance of warm-up and cool-down sessions. The course also addresses the concepts of conflict resolution and making smart choices. Fundamentals of nutrition are covered as well as the importance of getting adequate rest and maintaining a positive attitude.

Physical Education 7 ✖

Physical Education 7 is a one-semester course that exposes seventh-grade students to diverse activities, including rock climbing, orienteering, kickboxing, and table tennis. Course content includes multiple training methods, including cross training, plyometric training, core muscle training, and aerobic dance. Students learn about stress management exercises, including yoga/Pilates and breathing exercises. Fitness basics are presented, including target heart rate, fitness testing, and goal setting. Students learn about static and dynamic balance and about the science behind sports. Principles of strength training are covered, along with safety precautions one should take when lifting weights. At the end of this course, students can perform the Presidential Physical Fitness Tests and graph their scores.



Electives

Physical Education 8

Designed for eighth-grade students, Physical Education 8 teaches students to make informed decisions about fitness activities. Students learn about the role of physical activity in maintaining a healthy quality of life. Each student designs and participates in a fitness program that meets his or her individual fitness needs and interests, and learns how to evaluate his or her personal physiological response to exercise. Course content covers the fundamentals of physical fitness and stress management and introduces students to a variety of lifetime sports and games, including canoeing, cycling, tennis, lawn games, and wall ball. Students learn how to apply the critical elements of multiple training methods, including aerobics, cardio bands, and kickboxing.



World Languages

Chinese 1 (Middlebury)

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school Chinese I. Students begin their introduction to Mandarin Chinese 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 grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course, and specific character practices are introduced after the first quarter. 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 Chinese-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL).

Chinese 2 (Middlebury)

Students continue their language-learning adventure by progressing to this next level of middle school Mandarin Chinese. The instruction is equivalent to that found in the second semester of high school Chinese I. Students begin their introduction to Chinese 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 which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course, and specific character practices are introduced after the first quarter. 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 Chinese-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to ACTFL national standards.



World Languages

French 1 (Middlebury)

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school 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 which 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. The course has been carefully aligned to national standards as set forth by ACTFL.

French 2 (Middlebury)

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 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 which 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. The course has been carefully aligned to national standards as set forth by ACTFL.

German 1 (Middlebury)

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school 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 which 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



World Languages

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 German-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

German 2 (Middlebury)

Students continue their language-learning adventure by progressing to this next level of middle school German. The instruction is equivalent to that found in the second semester of high school 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 which 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 German-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

Latin 1 (Middlebury)

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school Latin I. Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored classical language approaches, which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept; reading comprehension activities; writing activities; multimedia culture, history, and mythology presentations; and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge School of Latin; therefore, students learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. 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; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to ACTFL national standards.



World Languages

Latin 2 (Middlebury)

Students continue their language-learning adventure by progressing to this next level of middle school Latin. The instruction is equivalent to that found in the second semester of high school Latin I. Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept; reading comprehension activities; writing activities; multimedia culture, history, and mythology presentations; and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge School of Latin; therefore, students learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. 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; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to ACTFL national standards.

Spanish 1 (Middlebury)

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of high school 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 which 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. The course has been carefully aligned to national standards as set forth by ACTFL.



World Languages

Spanish 2 (Middlebury)

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 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 which 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. The course has been carefully aligned to national standards as set forth by ACTFL.

World Language Survey ✳

This course introduces students to six different world languages within 18 weeks. The languages in this course include Spanish, French, German, Latin, Chinese, and Japanese. Each language is taught in a three-week period. This multilingual course is designed to give students an opportunity to gain understanding of a language that they might want to further study in the future. Each language is equally represented, thus allowing students to conceptualize and practice each language one at a time. The course takes a multiperspective approach for teaching the culture of the people that speak the language along with fundamental communication skills in the target language. Activities that engage students and make language learning exciting and fun are incorporated to build acquisition. The languages are taught using the communicative method that combines listening, speaking, reading, and writing in the target language with the use of multimedia resources.



eDynamic Learning Electives

Journalism

Who? What? When? Where? In this course, students learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication.

Photography

Students see photographs every day on television, on the internet, and in magazines and newspapers. What makes a great photograph? How did the artist capture a story? What are careers in photography? In this course, students learn and apply fundamental skills to use a camera and take photographs of animals, people, and landscapes. Students gain an understanding of how photography can be a means of documentation or high art. Students examine photographic careers and explore self-reflection to progress their creative growth as they develop a photographic portfolio. This course helps students select subjects, take photographs, and print and display memories.



Summit Math ⁺

NEW! **Math 6** ^A ^M ^T

In this Grade 6 mathematics course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division, and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.

NEW! **Math 7** ^A ^M ^T

In this Grade 7 mathematics course, students focus on real-world scenarios and mathematical problems involving algebraic expressions and linear equations, and begin to apply their understanding of rational numbers with increased complexity. The course lays the foundation for exploring concepts of angle, similarity, and congruence, more formally addressed in Grade 8, as students work with scale drawings and construct and analyze relationships among geometric figures. Students also develop and apply understandings of proportional relationships.

NEW! **Math 8** ^A ^M ^T

The Grade 8 mathematics course prepares students for more advanced study in algebra as students solve linear equations and systems of equations, work with radical and integer exponents, gain conceptual understanding of functions, and use functions to model quantitative relationships. To prepare students for more advanced study in geometry, the course emphasizes the Pythagorean theorem and a deepening exploration of similarity and congruence.

High School Course List / 2017–2018

English

AP® English Language and Composition
 AP® English Literature and Composition
 American Literature
 British and World Literature
 Creative Writing
 English Foundations I
 English Foundations II
 Grammar and Composition
 Journalism ✖
 Literary Analysis and Composition I
 Literary Analysis and Composition II
 Public Speaking ✖

Math

AP® Calculus AB
 AP® Calculus BC
 AP® Statistics
 Algebra I **M**
 Algebra II
 Calculus
 Consumer Math
 Continuing Algebra
 Developmental Algebra
 Geometry
 Integrated Math
 Integrated Mathematics I
 Integrated Mathematics II
 Integrated Mathematics III
 Math Foundations I
 Math Foundations II
 Personal Finance ✖
 Practical Math
 Pre-Algebra
 Pre-Calculus/Trigonometry
 Probability and Statistics ✖

Science

AP® Biology
 AP® Environmental Science **A N**
 Biology **L**
 Chemistry **L**
 Earth Science **L**
 Environmental Science ✖
 Forensic Science ✖ **L**
 Physical Science **L**
 Physics **L**

History and Social Sciences

AP® Art History **A N**
 AP® Macroeconomics ✖
 AP® Microeconomics ✖
 AP® Psychology ✖
 AP® U.S. Government and Politics ✖ **A N**
 AP® World History
 Anthropology ✖
 Civics ✖
 Contemporary World Issues
 Economics ✖
 Family and Consumer Science ✖
 Geography
 Modern U.S. History
 Modern World Studies
 Psychology ✖
 U.S. and Global Economics ✖
 U.S. Government and Politics ✖
 U.S. History
 World History

Technology and Computer Science

2D Animation ✖ **N f**
 3D Modeling ✖ **N f**
 Audio Engineering ✖
 C++ Programming ✖ **A N**
 Computer Fundamentals
 Computer Literacy ✖
 Computer Science ✖
 Digital Arts I ✖
 Digital Arts II ✖
 Digital Photography ✖
 Engineering Design/CAD ✖
 Game Design I ✖ **N**
 Game Design II ✖ **N f**
 Green Design and Technology ✖
 Image Design and Editing ✖
 Java Programming I ✖ **A N**
 Java Programming II ✖ **A N**
 Web Design ✖

Additional Electives

Achieving Your Career and College Goals ✖
 Fine Art
 General Accounting I ✖ **A N**
 General Accounting II ✖ **A N**
 Introduction to Entrepreneurship I ✖
 Introduction to Entrepreneurship II ✖
 Introduction to Marketing I ✖
 Introduction to Marketing II ✖
 Life Skills ✖
 Music Appreciation
 Nutrition and Wellness ✖
 Physical Education
 Reaching Your Academic Potential ✖
 Service Learning ✖
 Skills for Health ✖

✖ 0.5 credit course **A** accessible **E** ELL-supported content **L** includes virtual labs **M** mobile compatible **N** new course
T translation and text-to-speech tools **U** upgraded **+** premium pricing may apply **f** course coming soon

High School Course List / 2017–2018

World Languages

- AP[®] French Language and Culture (Middlebury)
- AP[®] Spanish Language and Culture (Middlebury)
- Chinese I (Middlebury—Competency)
- Chinese I (Middlebury—Fluency)
- Chinese II (Middlebury—Competency)
- Chinese II (Middlebury—Fluency)
- French I (Middlebury—Competency)
- French I (Middlebury—Fluency)
- French II (Middlebury—Competency)
- French II (Middlebury—Fluency)
- French III (Middlebury—Competency)
- French IV
- German I (Middlebury—Competency)
- German II (Middlebury—Competency)
- German III
- German IV
- Japanese I
- Japanese II
- Latin I (Middlebury—Competency)
- Latin II (Middlebury—Competency)
- Spanish I (Middlebury—Competency)
- Spanish I (Middlebury—Fluency)
- Spanish II (Middlebury—Competency)
- Spanish II (Middlebury—Fluency)
- Spanish III (Middlebury—Competency)
- Spanish IV

eDynamic Learning Electives +

- Archaeology ✖ A
- Art in World Cultures ✖ A
- Astronomy ✖ A
- Biotechnology ✖ A
- Careers in Criminal Justice ✖ A
- Cosmetology ✖ A
- Criminology ✖ A

- Early Childhood Education ✖ A
- Fashion and Interior Design ✖ A
- Gothic Literature ✖ A
- Great Minds in Science ✖ A
- Health Science I ✖ A
- Health Science II ✖ A
- History of the Holocaust ✖ A
- Hospitality and Tourism ✖ A
- International Business ✖ A
- Introduction to Agriscience ✖ A
- Introduction to Culinary Arts ✖ A
- Introduction to Manufacturing ✖ A
- Law and Order/Legal Studies ✖ A
- Mythology and Folklore ✖ A
- Peer Counseling ✖ A
- Philosophy ✖ A
- Real-World Parenting ✖ A
- Social Problems I ✖ A
- Social Problems II ✖ A
- Sociology I ✖ A
- Sociology II ✖ A
- Sports and Entertainment Marketing ✖ A
- Veterinary Science ✖ A
- World Religions ✖ A

Summit English +

- English 9 A M N T
- English 10 A M N T

Summit Math +

- Algebra 1 A M N T
- Algebra 2 A M N T
- Geometry A M N T

Credit Recovery

English

- English I E
- English II E
- English III E
- English IV E
- English 9 A M N T +
- English 10 A M N T +

Math

- Algebra I E
- Algebra II
- Algebra 1 A M N T +
- Algebra 2 A M N T +
- Geometry E
- Geometry A M N T +

Science

- Biology E
- Chemistry E
- Earth Science E
- Physical Science E

History and Social Sciences

- American Government ✖ E
- American History E
- Economics ✖ E
- Geography E
- World History E

World Languages

- Spanish I A M N T +

Electives

- Health ✖ A M T U +
- Physical Education ✖ A M T U +

High School Course Level Definitions

Core

In FuelEd Core courses, topics are broken into discrete modules that are taught in tandem with the framework students need to develop strong study skills. Rich, engaging content with interactive demonstrations and activities help students absorb and retain information.

Comprehensive

In FuelEd 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

FuelEd 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.

Advanced Placement®

FuelEd 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. The AP® courses include a companion AP® Exam Review course that provides practice for multiple choice exams and essay writing; and gives students an individualized study plan based on their results.

Remediation

FuelEd Remediation courses are designed to build foundational skills in math and English—guiding students through the competencies and knowledge needed for success in high school.

Credit Recovery

FuelEd Credit Recovery courses are tailored for students who need extra help in mastering content by using simplified explanations, interactive lessons with narrated audio clips, and vocabulary links. Most courses include ELL support.

High School Course Level Definitions (continued)

Competency

The Middlebury competency world language courses take a traditional approach to language learning by focusing on the four key language skills: listening, speaking, reading, and writing. Students are introduced to vocabulary themes, grammar concepts, sentence structure, and culture through explicit instruction and guided, self-paced learning.

Fluency

Middlebury world language fluency courses are based on immersion methodology—application of language skills practiced through observation and intuition within a context, task-based activity, or real life theme. Proficiency is developed through media-rich activities and videos. Authentic content allows students to negotiate pathways for meaning, express spontaneous thoughts, build metacognitive skills, and acquire a deeper understanding of other cultures.



English

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 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 and for further study in communications, creative writing, journalism, literature, and composition.

Prerequisites: Honors Literary Analysis and Composition II (or equivalent) or Honors American Literature (or equivalent), and teacher/school counselor recommendation

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 and for further study in creative writing, communications, journalism, literature, and composition.

Prerequisites: Honors Literary Analysis and Composition II (or equivalent) or Honors American Literature (or equivalent), and teacher/school counselor recommendation

American Literature (Core)

In this genre-based course, students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing memoirs, persuasive essays, research essays, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important themes in American literature.

Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including memoirs, persuasive and research essays, and workplace documentation. Students plan, organize, and revise their essays in response to feedback.

Prerequisite: Literary Analysis and Composition II (Core) (or equivalent)



English

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 in preparation for standardized tests.

Prerequisite: Literary Analysis and Composition II (Comprehensive) (or equivalent)

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 in preparation for standardized tests. Students enrolled in this challenging course also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

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

British and World Literature (Core)

British and World Literature is a genre-based course in which students sharpen their reading comprehension skills and analyze important themes in classic and modern works of British and world literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing narrative essays, persuasive essays, research papers, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important themes.

Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including expository, persuasive, and research essays, and workplace documentation. Students plan, organize, and revise their essays in response to feedback.

Prerequisite: American Literature (Core) (or equivalent)



English

British and World Literature (Comprehensive)

Students read and analyze works of British and world literature that reflect the rich and diverse history of the Western world. As students progress through centuries of literature in a loose chronological arrangement, they see how British and world literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests.

Prerequisite: American Literature (Comprehensive) (or equivalent)

Honors British and World Literature

Students read and analyze works of British and world literature that reflect the rich and diverse history of the Western world. As students progress through centuries of literature in a loose chronological arrangement, they see how British and world literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course also complete independent projects that extend their knowledge and deepen their understanding of the themes and ideas presented in the curriculum.

Prerequisites: Honors Literary Analysis and Composition II (or equivalent) or Honors American Literature (or equivalent), and teacher/school counselor recommendation

Creative Writing

Students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. Students study examples of writing through classic and contemporary selections and apply that knowledge and understanding to their writing. In addition, students develop an intimate understanding of the writing process and its application to various projects. As students move through the course, they understand and evaluate the writings of others, and be able to apply the evaluation criteria to their own writing. By the end of the course, students have a well-developed portfolio of finished written works. Learning activities include reading, listening, discussing, writing, multiple choice games, self-check activities, and reflective journals. The unit structure includes the broader idea of the unit as defined by the main heading. Units include a combination of activities and culminate in a submittal of the finished unit project. Unit projects are developed in phases throughout each section of the unit. Unit lessons and performance tasks have been scaffolded carefully to help students achieve deeper levels of understanding.

Prerequisites: None



English

English Foundations I (Remediation)

Students build and reinforce foundational reading, writing, and basic academic skills needed for success in high school. Through carefully paced, guided instruction, and graduated reading levels, students improve reading comprehension and strategies, focusing on literacy development at the critical stage between decoding and making meaning from text. Instruction and practice in writing skills help students develop their composition skills in a variety of formats. If needed, students can continue their remediation of reading and writing skills with English Foundations II.

Prerequisite: Teacher/school counselor recommendation

English Foundations II (Remediation)

Students build and reinforce foundational reading, writing, and basic academic skills needed for success in high school. Struggling readers develop mastery in reading comprehension, vocabulary building, study skills, and media literacy. Students build confidence in writing fundamentals by focusing on composition in a variety of formats, grammar, style, and media literacy.

Prerequisite: Teacher/school counselor recommendation; English Foundations I is not required.

Grammar and Composition

This refresher course helps students improve their understanding of grammar and usage basics and enhance their communication skills through writing exercises and discussions with their peers. Students start by completing a diagnostic writing assignment to identify strengths and areas for improvement. They receive step-by-step instruction on the writing process, follow activities to develop their grammar skills, and have multiple opportunities to practice formal and informal writing. Students use literature and expository pieces as models for their own writing. They participate in threaded online conversations with the teacher and their fellow students to discuss their writing, receive constructive feedback for revision, and comment on other students' work. Throughout the course, rubrics help students remember what is expected of them and help them produce their best work.

Prerequisites: None

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.

Prerequisites: None



English

Literary Analysis and Composition I (Core)

In this course, students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature, both classic and modern.

Literature: Students read short stories, poetry, drama, novels, essays, and informative articles. The course sharpens reading comprehension skills and engages readers in literary analysis as they consider important human issues and challenging ideas. Students also learn to read for information in nonfiction texts.

Language Skills: Students learn to express their ideas effectively. They sharpen their composition skills through focus on writing good paragraphs and essays in a variety of genres such as persuasive and research essays. Students plan, organize, and revise written works in response to feedback on drafts. In grammar, usage, and mechanics lessons, students expand their understanding of parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Vocabulary lessons build knowledge of Greek and Latin words that form the roots of many English words. Students use word origins and derivations to determine the meaning of new words as they increase their vocabularies.

Prerequisite: Middle school English/language arts

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. Literary selections range from classic works such as Shakespeare's *Romeo and Juliet* to contemporary pieces by authors such as Maya Angelou.

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.

Prerequisite: Middle school English/language arts



English

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 learned.

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. Literary selections range from the Greek tragedy *Antigone* to Shakespeare's *Romeo and Juliet* to contemporary pieces by authors such as Annie Dillard and Maya Angelou.

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.

Prerequisites: Middle school English/language arts and teacher/school counselor recommendation

Literary Analysis and Composition II (Core)

In this course, students build on their language skills while reading classic and modern works of literature and improving their writing skills.

Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important human issues.

Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including persuasive and research essays. Students plan, organize, and revise their essays in response to feedback. They build on their skills in grammar, usage, and mechanics by studying parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Thematic units focus on word roots, suffixes and prefixes, context clues, and other strategies to help students strengthen their vocabularies.

Prerequisites: Literary Analysis and Composition I (Core) (or equivalent)



English

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.

Prerequisites: Literary Analysis and Composition I (Comprehensive) (or equivalent)

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 learned.

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, résumés, 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.

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



English

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.

Prerequisites: None



HIGH SCHOOL COURSE LIST

Math

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 and further studies in science, engineering, and mathematics.

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

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 and further studies in science, engineering, and mathematics.

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

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 and further study in science, sociology, medicine, engineering, political science, geography, and business.

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



Math

Algebra I (Core)

In this course, students explore the tools of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; solve systems of linear equations; use ratios, proportions, and percentages to solve problems; use algebraic applications in geometry, including the Pythagorean theorem and formulas for measuring area and volume; complete an introduction to polynomials; and understand logic and reasoning.

Prerequisite: Pre-Algebra (Core) (or equivalent)

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. Compared to Algebra I (Core), this course has a more rigorous pace and more challenging assignments and assessments. It covers additional topics, including translating functions, higher degree roots, and more complex factoring techniques.

Prerequisite: Pre-Algebra (Comprehensive) (or equivalent)

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 Algebra I (Comprehensive), but includes more challenging assignments and optional challenge activities. Each semester also includes an independent honors project.

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



Math

Algebra II (Core)

This course builds upon algebraic concepts covered in Algebra I. Students solve open-ended problems and learn to think 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.

Prerequisites: Algebra I (Core) and Geometry (Core) (or equivalents)

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.

Prerequisites: Algebra I (Comprehensive) and Geometry (Comprehensive) (or equivalents)

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.

Prerequisites: Algebra I (Comprehensive) or Honors Algebra I, Geometry (Comprehensive) or Honors Geometry (or equivalents), and teacher/school counselor recommendation

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 across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook that supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

Prerequisite: Pre-Calculus/Trigonometry (or equivalent)



HIGH SCHOOL COURSE LIST

Math

Consumer Math (Core)

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, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher.

Prerequisites: None

Continuing Algebra (Core)

This is the second course in a two-year algebra sequence. In this course, students build on what they learned in Developmental Algebra to complete their knowledge of all topics associated with a deep understanding of Algebra I. They learn about relations and functions, radicals and radical expressions, polynomials and their graphs, factoring expressions and using factoring to solve equations, solving quadratics, rational expressions, and logic and reasoning.

Prerequisite: Developmental Algebra (or equivalent)

Developmental Algebra (Core)

This is the first course in a two-year algebra sequence that concludes with Continuing Algebra. In this course, students begin to explore the tools and principles of algebra. Students learn to identify the structure and properties of the real number system, complete operations with integers and other rational numbers, work with square roots and irrational numbers, graph linear equations, solve linear equations and inequalities in one variable, and solve systems of linear equations. Sophisticated virtual manipulatives and online graphing tools help students visualize algebraic relationships. Developmental Algebra covers fewer topics than a one-year algebra course, providing students with more time to learn and practice key concepts and skills. After completing Developmental Algebra, students are prepared to take Continuing Algebra.

Prerequisite: Pre-Algebra (or equivalent)

Geometry (Core)

Students learn to recognize and work with core geometric concepts in various contexts. They develop sound ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry; and a solid, basic 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; and the use of transformations.

Prerequisite: Algebra I (Core) (or equivalent)



HIGH SCHOOL COURSE LIST

Math

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.

Prerequisite: Algebra I (Comprehensive) (or equivalent)

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.

Prerequisites: Algebra I (Comprehensive) or Honors Algebra I (or equivalent) and teacher/school counselor recommendation

Integrated Math

This course helps students develop mathematical skills that enable them to solve problems and use reason and logic in math courses. Integrated Math gives the main overview of the many mathematical disciplines; topics include number sense, operations, algebraic sense, introduction to probability, geometric figures, geometric movement, measurement, and a more in-depth look at probability (including permutations and combination). Content is expressed in everyday mathematical language and notations to help students learn to apply the skills in a variety of applications. Instruction is supplemented with self-check quizzes, audio tutorials, web quests, and interactive games that engage students in the content they are learning.

Prerequisite: Algebra I



HIGH SCHOOL COURSE LIST

Math

Integrated Mathematics I

This first-year high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior, and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating new functions from known functions, and applying functions to various continuous and discrete situations. The statistics in the course focus on modeling. Geometry topics covered in the course include constructions, transformations, similarity, and congruence—and students use the Pythagorean theorem in analytic geometry contexts.

Prerequisite: Pre-Algebra (or equivalent)

Integrated Mathematics II

Integrated Mathematics II, a second-year high school math course, focuses on extending the number system to include irrational and complex numbers as well as computation with quadratic polynomials. The course continues with quadratic expressions, equations, and functions, including making comparisons to their linear and exponential counterparts, covered in Integrated Mathematics I. The course also introduces conditional probability as a way to make better decisions when given limited information. Geometry topics covered in the course include similarity, right triangle trigonometry, and volume. Students use the tools of analytic geometry, synthesizing algebra, and geometry concepts to describe circles and parabolas in the coordinate plane.

Prerequisites: Integrated Mathematics I (or equivalent)

Integrated Mathematics III

In this third-year high school math course, students encounter unified instruction reviewing and expanding all previous high school math topics. First, they extend their work on polynomials beyond quadratics to graphing, problem solving, and working with rational expressions. Next, they use statistical and probability tools, such as the standard normal distribution, to understand data. Students make inferences using simulations, experiments, and surveys. In geometry, they extend trigonometric concepts to general triangles and use trigonometric functions to model periodic processes. Finally, students substantially use mathematical modeling by making use of well-developed skills with various mathematical tools.

Prerequisite: Integrated Mathematics II (or equivalent)

Math Foundations I (Remediation)

Students build and reinforce foundational math skills typically found in third through fifth grade for which they have not achieved mastery. They progress through carefully paced, guided instruction and engaging interactive practice. If needed, students can move on to Math Foundations II (addressing skills typically found in sixth through eighth grade) to further develop the computational skills and conceptual understanding needed to undertake high school math courses with confidence.

Prerequisite: Teacher/school counselor recommendation



HIGH SCHOOL COURSE LIST

Math

Math Foundations II (Remediation)

Students build and reinforce foundational math skills typically found in sixth through eighth grade, achieving the computational skills and conceptual understanding needed to undertake high school math courses with confidence. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. This course is appropriate for use as remediation at the high school level or as a bridge to high school.

Prerequisite: Teacher/school counselor recommendation; Math Foundations I is not required.

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. Students are inspired by experiences of finance professionals and stories of everyday people and the choices they make to manage their money.

Prerequisites: None

Practical Math (Core)

In this course, students use math to solve real-world problems—and real-world problems to solidify their understanding of key mathematical topics. Data analysis, math modeling, and personal finance are key themes in this course. Specific topics of study include statistics, probability, graphs of statistical data, regression, finance, and budgeting. In addition, students learn how to use several mathematical models involving algebra and geometry to solve problems. Proficiency is measured through frequent online and offline assessments as well as class participation. Units focused on projects also allow students to apply and extend their math skills in real-world cases.

Prerequisites: Algebra I and Geometry

Pre-Algebra (Core)

In this course, students learn computational and problem-solving skills and the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. The online textbook provides students with a ready reference and explanations that supplement the online material. Online lessons provide demonstrations of concepts as well as interactive problems with contextual feedback.

Prerequisites: Middle school Fundamentals of Geometry and Algebra or Math Foundations II (or equivalents)



HIGH SCHOOL COURSE LIST

Math

Pre-Algebra (Comprehensive)

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. Online lessons provide demonstrations of key concepts as well as interactive problems with contextual feedback. An online textbook supplements the online material.

Prerequisites: Middle school Fundamentals of Geometry and Algebra (or equivalent)

Pre-Calculus/Trigonometry (Comprehensive)

Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

Prerequisites: Geometry (Comprehensive) and Algebra II (Comprehensive) (or equivalents)

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.

Prerequisite: Algebra II (Core) (or equivalent)



HIGH SCHOOL COURSE LIST

Science

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, and interactions of biological systems. Students carry out a number of learning activities, including readings, interactive exercises, extension activities, hands-on and virtual 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. The content aligns to the sequence of topics recommended by the College Board.

Prerequisites: Biology, Chemistry, Algebra I, and teacher/school counselor recommendation required; success in Algebra II highly recommended

NEW! AP[®] Environmental Science ^A

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. The course content has a concept-centered approach that helps to transform complex environmental topics and issues into key concepts that students understand and remember. Students are engaged with vivid case studies and challenged with critical thinking exercises to help understand how concepts, problems, and solutions are interconnected. This course meets guidelines outlined in the College Board's AP[®] Environmental Science Course Description (2013) and incorporates the most recent changes required of course content and preparation for the AP[®] Environmental Science Exam. AP[®] Environmental Science is interdisciplinary, incorporating various topics from different disciplines and areas of science.

Prerequisites: Successful completion of honors or advanced-level high school science courses and teacher/school counselor recommendation

Biology (Core) ^L

In this course, students focus on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. Students follow a program of online study days alternating with review-and-assessment days. Lessons include extensive animations, hands-on laboratory activities, reference book study, and collaborative activities with virtual classmates.

Prerequisite: Middle school Life Science (or equivalent)

Biology (Comprehensive) ^L

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.

Prerequisite: Middle school Life Science (or equivalent)



HIGH SCHOOL COURSE LIST

Science

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

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

Chemistry (Core)

This course surveys all key areas of chemistry, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, virtual laboratories, and related assessments, used with an online problem-solving book.

Prerequisites: Middle school Physical Science or Physical Science (Core) and satisfactory grasp of algebra basics, evidenced by success in Algebra I (Core) (or equivalents)

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 an online problem-solving book.

Prerequisites: Satisfactory completion of either middle school Physical Science or Physical Science (Core) and solid grasp of algebra basics, evidenced by success in Algebra I (Core) (or equivalents)

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.

Prerequisites: Success in previous science course, Algebra I (Comprehensive), Honors Algebra I (or equivalents), and teacher/school counselor recommendation



HIGH SCHOOL COURSE LIST

Science

Earth Science (Core) ⓘ

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

Prerequisite: Middle school Earth Science (or equivalent)

Earth Science (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 an online problem-solving book.

Prerequisite: Middle school Earth Science (or equivalent)

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 online reference book, collaborative activities, and 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 include debates, research papers, extended collaborative laboratories, and virtual laboratories.

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

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.

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



HIGH SCHOOL COURSE LIST

Science

Forensic Science ✖️ 📱

This one-semester 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, labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

Prerequisites: Successful completion of at least two years of high school science, including Biology (Comprehensive) (or equivalent); Chemistry (Comprehensive) (or equivalent) is highly recommended.

Physical Science (Core) 📱

Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with both laboratory investigations and experiences.

Prerequisite: Middle school Physical Science (or equivalent)

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 online problem-solving book.

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

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 online laboratories. The course gives a solid basis for moving on to more advanced college physics courses. The program consists of online instruction and related assessments, plus an online problem-solving book.

Prerequisites: Algebra II or Honors Algebra II, Pre-Calculus/Trigonometry, and teacher/school counselor recommendation

✖️ 0.5 credit course 📱 accessible 🇪🇺 ELL-supported content 📱 includes virtual labs 📱 mobile compatible 🆕 new course
🗣️ translation and text-to-speech tools 📅 upgraded 💰 premium pricing may apply 📅 course coming soon



History and Social Sciences

NEW! **AP[®] Art History** 

AP[®] Art History is an introduction to major works of art and the concepts needed to understand them. This online course fosters in-depth, holistic understanding of the history of art from a global perspective, and builds understanding of the place of art within broader historical, cultural, religious, and political frameworks. The functions and effects of art are the main focus. This AP[®] Art History course is designed to be equivalent with a two-semester introductory college-level art history survey course. It meets guidelines outlined in the College Board's AP[®] Art History Course and Exam Description and incorporates the most recent changes required of course content in preparation for the AP[®] Art History Exam.

Prerequisites: None

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 and for further study in business, political science, and history.

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

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 and for further study in business, history, and political science.

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



HIGH SCHOOL COURSE LIST

History and Social Sciences

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 and for further studies in psychology and life sciences.

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

NEW! AP[®] U.S. Government and Politics ☒ A

This course is equivalent to an introductory one-semester college-level survey course. The content prepares students for contemporary challenges in U.S. government and politics through the development of core objectives. The curriculum has balanced and unbiased coverage of constitutional, governmental, political, social, and economic structures and their processes. Students are encouraged to experience the excitement of being active, engaged, and informed citizens. It meets guidelines outlined in the College Board's AP[®] U.S. Government and Politics Course Description and incorporates the most recent changes required in course content and preparation for the AP[®] U.S. Government and Politics Exam.

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

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. This course prepares students for the AP[®] World History Exam.

Prerequisites: Previous history course and teacher/school counselor recommendation



History and Social Sciences

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 while 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. The content in this course meets or exceeds the standards of the National Council for the Social Studies (NCSS).

Prerequisite: World History (or equivalent) recommended as a prerequisite or corequisite, but not required

Civics ✖

Civics is the study of citizenship and government. This one-semester course provides students with a basic understanding of civic life, politics, and government, and a short history of government's foundation and development in this country. Students learn how power and responsibility are shared and limited by government, the impact American politics has on world affairs, the place of law in the American constitutional system, and which rights the American government guarantees its citizens. Students also examine how the world is organized politically and how civic participation in the American political system compares to that in other societies around the world today.

Prerequisites: None

Contemporary World Issues

In this course, students compare the geography, governments, economies, and cultures of the world. Emphasis is on learning about the civics, politics, economics, structures, processes and policies of the United States and then comparing them with those of the international community. Students use what they know and learn about the United States and the world to analyze current events and contemporary issues. Reasoning and research skills are applied to the content throughout the course.

Prerequisites: None



HIGH SCHOOL COURSE LIST

History and Social Sciences

Economics ✖

This one-semester course provides students with an introduction to basic economic principles, such as how governments use limited resources to best satisfy people's wants and needs. Key topics include the law of supply and demand; allocation of goods and services; monetary and fiscal policy, saving, borrowing, and spending; the Federal Reserve System and the money supply; unemployment; and inflation. Students learn about the important roles that competition, scarcity, incentives, profit, interest rates, trade, and government regulation play in an open free market economy, and how fundamental decisions about the four factors of production (land, labor, capital, and entrepreneurship) are made.

Prerequisites: None

Family and Consumer Science ✖

In this one-semester course, students develop skills and knowledge to help them transition into adult roles within the family. They learn to make wise consumer choices, prepare nutritious meals, contribute effectively as part of a team, manage a household budget, and balance roles of work and family. They gain an appreciation for the responsibilities of family members throughout the life span and the contributions to the well-being of the family and the community.

Prerequisites: None

Geography

This course explores world geography on a region-by-region basis and covers a broad range of geographical perspectives. Each unit covers one continent or other major geographical region of the world: North America, Central America, South America, Western Europe, Eastern Europe and Russia, East Asia, Southeast Asia and the Pacific Cultures, Africa, India, and the Middle East. Students first learn about each region's landforms, climate, and population. They then examine that region's cultural, economic, and political institutions. Each unit is presented in a parallel format to facilitate interregional comparisons and allow students to see the similarities and differences between the regions more clearly.

Prerequisites: None

Modern U.S. History (Core)

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 time lines, completing projects and written assignments, and conducting independent research.

Prerequisites: World History or Modern World Studies (or equivalents)



History and Social Sciences

Modern 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*. 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.

Prerequisite: World History or Modern World Studies (or equivalents)

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 nineteenth century to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. 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 time lines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Prerequisites: World History or Modern World Studies (or equivalents), and teacher/school counselor recommendation

Modern World Studies (Core)

Students trace the history of the world from approximately 1870 to the present. They begin with a look back at 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 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.

Prerequisites: World History, middle school World History (or equivalent)



History and Social Sciences

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. 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 time lines, completing projects and written assignments, and conducting independent research.

Prerequisites: World History, middle school World History (or equivalent)

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 time lines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

Prerequisites: World History, middle school World History (or equivalent), success in previous social studies course, and teacher/school counselor recommendation

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 terms of psychology and how to apply psychological principles to their own lives. Units include Methods of Study, Biological Basis for Behavior, Learning and Memory, Development and Individual Differences, and Psychological Disorders.

Prerequisite: Interest in and a willingness to critically explore the many different areas presented in an introductory course about behavior



History and Social Sciences

U.S. and Global Economics (Core) ✖

This course in economic principles uses real-world simulations to teach the issues faced by producers, consumers, investors, and taxpayers in the United States and around the world. Topics include markets; supply and demand; theories of early economic thinkers; theories of value; money; the role of banks, investment houses, and the Federal Reserve; and other fundamental features of capitalism. A survey of current issues in American and global markets rounds out the course.

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

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.

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

U.S. Government and Politics (Core) ✖

This course uses the perspective of political institutions to explore government history, organization, and functions. Students encounter the political culture of our country from the Declaration of Independence to the present day, gaining insight into the challenges faced by presidents, members of Congress, and other political participants. The course also covers the roles of political parties, interest groups, the media, and the Supreme Court. Students learn to use primary historical documents as evidence in evaluating past events and government functions.

Prerequisite: U.S. History (Core) (or equivalent) is recommended, but not required

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.

Prerequisite: U.S. History (Comprehensive) (or equivalent) is recommended, but not required



History and Social Sciences

U.S. History (Core)

Students trace the history of the world from approximately 1870 to the present. They begin with a look back at 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 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.

Prerequisite: Middle school World History (or equivalent)

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*. Lessons help students organize their study, explore topics, 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.

Prerequisite: World History or Modern World Studies (or equivalents)

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*. 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 time lines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Prerequisites: World History or Modern World Studies (or equivalents), success in previous history course, and teacher/school counselor recommendation



History and Social Sciences

World History (Core)

In this survey of world history from prehistoric to modern times, students focus on the key 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. Lessons and assessments complement *World History: Our Human Story*. Students analyze primary sources and maps, create time lines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Prerequisites: Middle school social studies

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. 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 time lines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Prerequisites: Middle school social studies

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. 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 time lines, 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.

Prerequisites: Middle school social studies and teacher/school counselor recommendation



Technology and Computer Science

NEW! **2D Animation** ✖️ Ⓢ

In the 2D animation course, students learn to create movement in a two-dimensional artistic space. They learn to conceptualize and bring their animation dreams to life using a variety of software and design programs. During the course, students design, define, and complete a variety of digital design projects, including creating their own website. Learning about 2D Animation could be a first step toward a career in technology and animation.

Prerequisites: None

NEW! **3D Modeling** ✖️ Ⓢ

This course provides a good introduction to the fast-growing fields of technology and design, including virtual reality, video game design, marketing, television and motion pictures, and digital imaging. In 3D Modeling, students gain a deeper understanding of graphic design and illustration as they use 3D animation software to create virtual three-dimensional design projects. The course helps students develop the drawing, photography, and 3D construction skills needed to navigate within a 3D digital modeling workspace while rendering 3D models.

Prerequisites: None

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 multitrack recordings. Through a series of engaging hands-on projects, they learn the fundamental concepts of audio engineering.

Prerequisites: None

NEW! **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 walk through the stages of Input, Output, Problem Analysis, and Algorithm Design to illustrate key concepts.

Prerequisites: None



Technology and Computer Science

Computer Fundamentals

In this two-semester introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, the operating system, and software applications. Students practice using key applications such as word processors, spreadsheets, and presentation software, and examine social and ethical issues around the internet, information, and security.

In the first semester, the focus is on the fundamentals: learning and using applications and understanding the basic roles and responsibilities of software, hardware, and operating systems. In the second semester, the focus is on gathering and analyzing data, and using the right tools and methods to collect and present data. This course should not be taken if students have already completed Computer Literacy.

Prerequisites: None

Computer Literacy ☒

Students must be able to use technology effectively to research, organize, create, and evaluate information. In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students practice using key applications such as word processing, spreadsheet and presentation software, and examine social and ethical issues around the internet, information, and security.

In the first part of the course, the focus is on the fundamentals: learning and using applications, and understanding the basic roles and responsibilities of the software, hardware, and operating system. The second part of the course focuses on gathering and analyzing data, and using the right tools and methods to collect and present data. This course should not be taken if students have already completed Computer Fundamentals.

Prerequisites: None

Computer Science ☒

This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs. They use the design process to create many programs by determining specifications, designing the software, and testing and improving the product until it meets the specifications. By the end of this course, students have a solid foundation for further study in this subject.

Prerequisites: None



Technology and Computer Science

Digital Arts I ✖

In this exploratory course, students learn the elements and principles of design as well as 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.

Prerequisites: None

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 have created a collection of digital art projects for their digital design portfolio.

Prerequisite: Digital Arts I (or equivalent)

Digital Photography ✖

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

Prerequisites: None

Engineering Design/CAD ✖

Designers and manufacturers in virtually every industry use computer-aided design systems to create engineering design solutions. This course introduces engineering and the basics of CAD software: creating points, lines, other geometric forms, isometric drawings, and 3D models. Students learn how to translate initial concepts into functional designs and 3D walkthroughs, and explore career options in this hands-on, introductory-level course.

Prerequisites: None



Technology and Computer Science

NEW! Game Design I ✖

In Game Design I, students learn how to go from simply being a player in a virtual world, to actually creating one. The course teaches students about different video game software and hardware; various gaming platforms; the technical skills necessary to design games; troubleshooting and internet safety techniques; and the history of gaming. Students also have the opportunity to create a plan for their own 2D video game. In Game Design I, students gain the knowledge and skills that can help them turn their hobby into a potential career.

Prerequisites: None

NEW! Game Design II ✖ f

In Game Design II, students have the opportunity to conceptualize, design, and create their own video game. They explore various video game software and hardware, sharpen their coding skills, and learn about game storylines, player progression, and algorithmic decision making. Students learn to analyze player goals, player actions, rewards, and challenges, among many other game-play components. The course helps students develop 21st-century skills involving creativity, critical thinking, communication, collaboration, and technical expertise that will put them at the forefront of a future in technology.

Prerequisites: Game Design I

Green Design and Technology ✖

This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field.

Prerequisites: None

Image Design and Editing ✖

This introductory design course is for students who want to create compelling, professional-looking graphic designs and photos. Students learn the basics of composition, color, and layout through the use of hands-on projects that allow them to use their creativity while developing important foundational skills. They use GIMP software to create a graphic design portfolio with a wide variety of projects involving the mastery of technical topics, such as working with layers and masks, adding special effects, and effectively using typefaces to create visual impact. The projects help students develop the skills they need to create and edit images of their own.

Prerequisites: None



Technology and Computer Science

NEW! **Java Programming I** ✖️ Ⓐ

Java Programming I introduces programmers to the power of Java for developing applications while learning the basic principles of structured and object-oriented programming. These courses incorporate the latest version of Java with meaningful real-world exercises and a wealth of case problems to help students build skills critical for ongoing programming success.

Prerequisites: None

NEW! **Java Programming II** ✖️ Ⓐ

Java Programming II continues to introduce programmers to the power of Java for developing applications while learning the basic principles of structured and object-oriented programming. These courses incorporate the latest version of Java with meaningful real-world exercises and a wealth of case problems to help students build skills critical for ongoing programming success.

Prerequisites: Java Programming I

Web Design ✖️

This one-semester course introduces students to the mechanics and elements of web design and HTML, and the concepts of planning and organizing websites. Students engage in a variety of project-based assessments to evaluate their understanding and progress. After completing the course, students are able to understand the planning and organization of a website, the elements of design and HTML. Students also learn how to use a WYSIWIG editor and other online tools to create a website.

Prerequisites: None



Additional Electives

Achieving Your Career and College Goals ✖

Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice, and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job. This course is geared toward eleventh and twelfth graders.

Prerequisites: None

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.

Prerequisite: A survey course in World History is recommended as a prerequisite or corequisite, but not required.

NEW!

General Accounting I ✖ A

General Accounting I 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 real-world 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®, Peachtree®, QuickBooks®, and Automated Accounting Online. The course includes units on careers in accounting, ethics, global awareness, financial literacy, and forensic accounting.

Prerequisites: None

NEW!

General Accounting II ✖ A

General Accounting II continues to provide 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 real-world 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®, Peachtree®, QuickBooks®, and Automated Accounting Online. The course includes units on careers in accounting, ethics, global awareness, financial literacy, and forensic accounting.

Prerequisites: General Accounting I



Additional Electives

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. Students hear inspirational stories of teen entrepreneurs who have turned their ideas into reality, and then they plan and execute their own business.

Prerequisites: None

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 refine their technology and communication skills in speaking, writing, networking, negotiating, and listening. 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.

Prerequisite: Introduction to Entrepreneurship I (or equivalent)

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.

Prerequisites: None

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 develop their own comprehensive marketing plan for a new business.

Prerequisite: Introduction to Marketing I (or equivalent)



Additional Electives

Life Skills ✖

This one-semester elective is designed to increase students' knowledge of and ability in using the skills necessary for everyday living. Life Skills emphasizes defining personal values, goal-setting and planning, and solving problems. Instructional material focuses on dealing with media and peer pressure, communication and relationships, working with others, avoiding and/or resolving conflict, decision making, wellness and personal safety, aspects of good citizenship, environmental awareness, and how students can contribute to their own community. The course is organized in six units: Course Introduction; Thinking About Yourself; Thinking for Yourself; Taking Care of Yourself; Caring for Your Relationships; and Caring About Your World.

Prerequisites: None

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 twentieth-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. The first semester covers early musical forms, classical music, and American jazz. The second semester presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements, and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide.

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. Students are required to present their proposed practicum to their teachers for approval, and parents or guardians validate their student's regular participation in the chosen performance practicum.

Prerequisites: None

Nutrition and Wellness ✖

This one-semester elective course provides students with an overview of good nutrition principles that are necessary for physical and mental wellness and a long, healthy life. Instructional materials include discussions of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition. The course emphasizes an understanding of today's food and eating trends and gives students the capacity to intelligently evaluate all available sources of nutrition information and make informed decisions. The course is organized in six units: Course Introduction; Wellness and Food Choices in Today's World; Digestion and Major Nutrients; Body Size and Weight Management; Physical Fitness, Sports Nutrition, and Stress; and Life Cycle Nutrition.

Prerequisites: None



Additional Electives

Physical Education

This high school course focuses on the fundamental components and principles of fitness. Physical Education examines safety guidelines, proper technique, and exercise principles such as FITT: Frequency (how often you exercise), Intensity (how hard you work during exercise), Time (how long you exercise), and Type (what type of activity you do). Students assess their current level of fitness in relation to the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. This two-semester course equips students with strategies to help them begin, design, and maintain an exercise program to keep them fit for life.

Prerequisites: None

Reaching Your Academic Potential ✖

Students learn essential academic skills within the context of their learning style, individual learning environment, and long-term goals. This course helps students develop habits for more successful reading, writing, studying, communication, collaboration, time management, and concentration. It also provides insights into how the brain works when they are learning, and ways to maximize its potential.

Prerequisites: None

Service Learning ✖

This project may be used in a variety of ways—as a stand-alone project, in conjunction with another course, or as a foundation around which to base a one-semester course. An introductory unit presents instruction on the nature of service learning. Students are taught how to identify community needs, select projects that are meaningful to themselves, apply practical skills, reflect on their learning experience, and behave responsibly in a service setting. Students then move on to design and conduct service learning experiences of their own, according to the requirements of their projects. Documents to support teachers in guiding students through the project are included.

Prerequisites: None

Skills for Health ✖

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others.

Prerequisites: None

✖ 0.5 credit course A accessible E ELL-supported content L includes virtual labs M mobile compatible N new course
T translation and text-to-speech tools U upgraded + premium pricing may apply f course coming soon



World Languages

AP® French Language and Culture (Middlebury)

The AP® French Language and Culture course is an advanced language course that prepares students 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, and is based on the six themes required by the College Board: global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. 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 and Culture course is a college-level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

Prerequisites: Strong success in French III, or success in French IV (or equivalents), and teacher/school counselor recommendation

AP® Spanish Language and Culture (Middlebury)

The AP® Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP® Spanish 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 Spanish, and is based on the six themes required by the College Board: global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics. 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 Spanish-language materials and sources; demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish; gain knowledge and understanding of the cultures of Spanish-speaking areas of the world; use Spanish to connect with other disciplines and expand knowledge in a wide variety of contexts; develop insight into the nature of the Spanish language and its culture; and use Spanish to participate in communities at home and around the world. The AP® Spanish Language and Culture course is a college-level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

Prerequisites: Strong success in Spanish III, or success in Spanish IV (or equivalents), and teacher/school counselor recommendation



World Languages

Chinese I (Middlebury—Competency)

Students begin their introduction to Chinese 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 which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course and specific character practices are introduced after the first quarter. 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 Chinese-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisites: None

Chinese I (Middlebury—Fluency)

Students begin their introduction to Mandarin Chinese with fundamental building blocks in four key areas of world-language study: listening comprehension, speaking, reading, and character study. The extensive use of authentic materials (video, audio, images or texts) allows for a contextualized and interactive presentation of the vocabulary and the linguistic structures. Students are actively engaged in completing task-based activities individually and collaboratively while formulating and testing hypotheses about different aspects of the target language. The materials and the activities engage students in such a way that they learn to develop the necessary metacognitive strategies to be successful both in the processing of the authentic input and in negotiating meaning to reach mutual understanding with other speakers. Cultural information relevant to China and Chinese communities around the world permeate the materials from beginning to end.

Prerequisites: None



World Languages

Chinese II (Middlebury—Competency)

Students continue their study of Mandarin Chinese 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 are able 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 which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course, and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. 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 Chinese-speaking countries; and take frequent assessments where their language progression can be monitored. By the second semester, the course is conducted almost entirely in Chinese. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: Chinese I

Chinese II (Middlebury—Fluency)

Students continue their study of Chinese 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 are able 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 which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course and students are expected to learn several characters each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: Chinese I



World Languages

French I (Middlebury—Competency)

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 which 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. The course has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL).

Prerequisites: None

French I (Middlebury—Fluency)

Students begin their introduction to French with fundamental building blocks in four key areas of world-language study: listening comprehension, speaking, reading, and writing. The extensive use of authentic materials (video, audio, images or texts) allows for a contextualized and interactive presentation of the vocabulary and the linguistic structures. Students are actively engaged in completing task-based activities individually and collaboratively while formulating and testing hypotheses about different aspects of the target language. The materials and the activities engage students in such a way that they learn to develop the necessary metacognitive strategies to be successful both in the processing of the authentic input and in negotiating meaning to reach mutual understanding with other speakers. Cultural information relevant to francophone countries and communities and cross-cultural reflections permeate the materials from beginning to end.

Prerequisites: None



World Languages

French II (Middlebury—Competency)

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 are able 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 which 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 the second semester, the course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: French I

French II (Middlebury—Fluency)

Students continue learning French in French II by building on and expanding listening, speaking, reading, and writing skills. Frequent use of authentic videos, images, audio, and text provide greater contextualization of key learning concepts and cultural information relevant to francophone countries and communities. The course follows a modular design to allow for greater flexibility and pacing in both fully online and blended environments and teachers are able to search for specific lessons and activities as well as authentic media. A wide range of activities engages students to continue to develop metacognitive strategies by processing authentic input in order to produce both spoken and written French. Task-based projects allow for individual and collaborative creation, negotiation, and presentation within the target language.

Prerequisite: French I



World Languages

French III (Middlebury—Competency)

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 which 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 French-speaking countries; read and analyze important pieces of literature; and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in French, and has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: French II

French IV

Students complete their high school French language education with this two-semester course that, like all of its predecessors, conforms to national ACTFL standards. The instructional material in French IV enables students to use the conditional and subjunctive tenses, and talk about the past with increasing ease, distinguishing which tense to use and when. It also helps students hone their listening skills to enhance their understanding of native speech patterns on familiar topics. Students expand their knowledge of French-speaking countries' culture, history, and geography and learn about francophone contributions in the arts.

Prerequisite: French III

German I (Middlebury—Competency)

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 which 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 German-speaking countries; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisites: None



World Languages

German II (Middlebury—Competency)

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 are able 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 which 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 German-speaking countries; and take frequent assessments where their language progression can be monitored. By the second semester, the course is conducted almost entirely in German. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: German I

German III

This course expands the scope of concepts and information that students mastered in the German I and II courses and aligns with national ACTFL standards. Students learn increasingly complex grammatical constructions such as present, imperfect, perfect, and future tenses; reflexive and modal verbs; prepositions; conjunctions; relative pronouns; and adjective endings. Unit themes in this two-semester course include vacations, travel, leisure time, healthy living, body parts and ailments, family members, rights and responsibilities, household chores, university study, military service, personal relationships, the importance of appearance, emotions, fairy tales, and animals. Unit activities blend different forms of communication and culture.

Prerequisite: German II

German IV

German IV builds on the foundation of the first three courses. Students continue to sharpen their speaking, listening, reading, and writing skills while also learning to express themselves on topics relevant to German culture. Authentic texts, current culture, and literature from Germany, Austria, and Switzerland all form part of the instructional material for this course. Each unit focuses on a particular region or city and includes such themes as culture, tourism, and current events. These units cover topics such as contemporary and classical music, expressing opinion, German history, transportation, family weekend travel, shopping, free-time activities, technology, multiculturalism, education, and careers.

Prerequisite: German III



World Languages

Japanese I

Students become familiar with the fundamental concepts and constructions of the Japanese language as well as the rich and ancient world of Japanese culture in this two-semester course. Japanese I has been designed to meet ACTFL standards. Unit topics consist of the alphabet and numbers, greetings, introductions, the calendar (days, months, and seasons), weather, time, colors, familiar objects and places, family, food, pastimes, and school objects and routine. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multimedia presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

Prerequisites: None

Japanese II

In Japanese II, course content blends different forms of communication and culture via unit activities to ensure that students meet all ACTFL standards. These standards call for a focus on successful oral and written communication as well as a thorough grounding in Japanese culture. Unit themes for both semesters cover a broad range of useful everyday subjects, including daily routine, animals, entertainment, body parts, rooms and furniture, shopping and clothing, meals, sports and recreation, and transportation.

Prerequisite: Japanese I

Latin I (Middlebury—Competency)

Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge School of Latin; therefore, students learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. 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; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisites: None



World Languages

Latin II (Middlebury—Competency)

Students continue with their study of Latin through ancient, time-honored classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, prepare students for a deeper study of Latin. Each unit consists of a new vocabulary theme and grammar concept; reading comprehension activities; writing activities; multimedia culture, history, and mythology presentations; and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge School of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning; understand and use common vocabulary terms and phrases; comprehend a wide range of grammar patterns; understand and analyze the cultural and historical contexts of the ancient sources they study; and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: Latin I

Spanish I (Middlebury—Competency)

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 which 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. The course has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: None



World Languages

Spanish I (Middlebury—Fluency)

Students begin their introduction to Spanish with fundamental building blocks in four key areas of world-language study: listening comprehension, speaking, reading, and writing. The extensive use of authentic materials (video, audio, images or texts) allows for a contextualized and interactive presentation of the vocabulary and the linguistic structures. Students are actively engaged in completing task-based activities individually and collaboratively while formulating and testing hypotheses about different aspects of the target language. The materials and the activities engage students in such a way that they learn to develop the necessary metacognitive strategies to be successful both in the processing of the authentic input and in negotiating meaning to reach mutual understanding with other speakers. Cultural information relevant to Hispanic countries and communities and cross-cultural reflections permeate the materials from beginning to end.

Prerequisite: None

Spanish II (Middlebury—Competency)

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 are able 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 which 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; 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, and has been carefully aligned to national standards as set forth by ACTFL.

Prerequisite: Spanish I

Spanish II (Middlebury—Fluency)

Students continue learning Spanish in Spanish II by building on and expanding listening, speaking, reading, and writing skills. Frequent use of authentic videos, images, audio, and text provide greater contextualization of key learning concepts and cultural information relevant to Hispanic countries and communities. The course follows a modular design to allow for greater flexibility and pacing in both fully-online and blended environments and teachers are able to search for specific lessons and activities as well as authentic media. A wide range of activities engages students to continue to develop metacognitive strategies by processing authentic input in order to produce both spoken and written Spanish. Task-based projects allow for individual and collaborative creation, negotiation, and presentation within the target language.

Prerequisite: Spanish I



World Languages

Spanish III (Middlebury—Competency)

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 which 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, and has been carefully aligned to national standards as set forth by ACTFL.

Prerequisites: Spanish II

Spanish IV

Fourth-year Spanish expands on the foundation of Spanish grammar and vocabulary that students acquired in the first three courses. As with all the earlier offerings, this culminating-level Spanish language course conforms to ACTFL standards. Students continue to sharpen their speaking, listening, reading, and writing skills while also learning to express themselves on topics relevant to Spanish culture. The two-semester course is divided into ten units whose themes include people, achievements, wishes and desires, activities, celebrations, possibilities, the past, the arts, current events, and wrap-up and review.

Prerequisites: Spanish III



eDynamic Learning Electives ⊕

Archaeology ✖ A

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. Students also learn about the relationship of material items to culture and what we can learn about past societies from these items.

Prerequisites: None

Art in World Cultures ✖ A

Who is the greatest artist of all time? Leonardo da Vinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? Students learn about some of the greatest artists while also creating art of their own, including digital art. The course explores the basic principles and elements of art, how to critique art, and how to examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

Prerequisites: None

Astronomy ✖ A

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe. 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.

Prerequisites: None

Biotechnology ✖ A

In today’s world, biotechnology helps us grow food, fight diseases, and create alternative fuels. In this course, students explore the science behind biotechnology and how this science is being used to solve medical and environmental problems.

Prerequisites: None



eDynamic Learning Electives ⊕

Careers in Criminal Justice ✖ A

The criminal justice system may be a good career option for students who want to help prevent crime and maintain order in society. This course provides an overview of the wide range of career opportunities in the criminal justice system, from law enforcement to forensic scientists to lawyers and judges. Students learn about the trial process, the juvenile justice system, and the correctional system. Students explore careers in each area, including job expectations and training requirements.

Prerequisites: None

Cosmetology ✖ A

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

Prerequisites: None

Criminology ✖ A

In the modern world, many citizens share a concern about criminal behaviors and intent. This course introduces students to the field of criminology, the study of crime. Students look at possible explanations for crime from psychological, biological, and sociological perspectives; explore the categories and social consequences of crime; and investigate how the criminal justice system handles criminals and their misdeeds. The course explores some key questions: Why do some individuals commit crimes while others do not? What aspects of culture and society promote crime? Why are different punishments given for the same crime? What factors—from arrest to punishment—help shape the criminal case process?

Prerequisites: None

Early Childhood Education ✖ A

This course is for students who want to influence children during the most important years of human development—the first few years of life when they learn to walk, talk, run, jump, read, and write, among other milestones. The course focuses on how caregivers can help infants, toddlers, and children grow and develop in positive ways. Students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school-aged children.

Prerequisites: None



eDynamic Learning Electives ⊕

Fashion and Interior Design ✖ A

From the clothes we wear to the homes we live in, fashion and design is all around us. In this course, students who have a flair for fashion or who constantly redecorate their room find out what it is like to work in the design industry by exploring career possibilities and the background needed to pursue them. Students learn the basics of color and design, then test their skills through hands-on projects. They also learn essential communication skills that build success in any business. By the end of the course, students are well on their way to developing the portfolio needed to get started in this exciting field.

Prerequisites: None

Gothic Literature ✖ A

Since the eighteenth century, Gothic tales have influenced fiction writers and fascinated readers. This course focuses on the major themes found in Gothic literature and demonstrates how the core writing drivers produce a suspenseful environment for readers. Some of the recurring themes and elements found in the genre are also presented. As they complete the course, students gain an understanding of and an appreciation for the complex nature of Gothic literature.

Prerequisites: None

Great Minds in Science ✖ A

Is there life on other planets? What extremes can the human body endure? Can the global warming problem be solved? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on ten of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

Prerequisites: None

Health Science I ✖ A

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

Prerequisites: None



eDynamic Learning Electives ⊕

Health Science II ✖ A

Health Science II is designed to further students' understanding of the health care workplace, including patient and caregiver interactions and how various members of the health care team work together to create an ethical, functional, and compassionate environment for patients.

Prerequisites: None

History of the Holocaust ✖ A

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multidisciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students gain an understanding of the ramifications of prejudice and indifference, and the potential for government-supported terror, and they get glimpses of kindness and humanity in the worst of times.

Prerequisites: None

Hospitality and Tourism ✖ A

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

Prerequisites: None

International Business ✖ A

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 of business, investigating why and how companies go international, and how they are more interconnected. Students gain an understanding of how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are also explored. The course helps students cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in 21st-century business activities.

Prerequisites: None



eDynamic Learning Electives ⊕

Introduction to Agriscience ✖ A

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

Prerequisites: None

Introduction to Culinary Arts ✖ A

Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for family gatherings and social functions. In this course, students learn all about food, including food culture, food history, food safety, and current food trends. They also learn about the food service industry and how to prepare some culinary dishes. Through hands-on activities and in-depth study of the culinary arts field, this course helps students hone their cooking skills and gives them the opportunity to explore careers in the food industry.

Prerequisites: None

Introduction to Manufacturing ✖ A

America has been called a land of consumers. Our society has become accustomed to the luxury of purchasing commodities from retail stores in a way that is convenient and affordable. Most of us don't take the time to think much past the checkout line, however. Where do these products come from exactly? Were they made in our country or shipped in from somewhere else entirely? What machines and equipment were used to make the items we purchase? Who are the people involved in manufacturing and assembling the finished goods that line the shelves of our favorite stores? This course gives a behind-the-scenes look at the vast industry called manufacturing. Students examine the basics of manufacturing, including a brief history and some of the basic processes and principles that work together to transform raw materials into useful and valuable commodities.

Prerequisites: None



eDynamic Learning Electives ⊕

Law and Order/Legal Studies ✖ A

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Consumer laws help protect society from faulty goods; criminal laws help protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. By understanding the workings of our court system, as well as how laws are actually carried out, students learn how our lives are guided and regulated by our society's legal expectations—and become more informed and responsible citizens.

Prerequisites: None

Mythology and Folklore ✖ A

Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore have been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters overcome those stronger than themselves. They explore the universality and social significance of myths and folklore, and see how these are still used to shape society today.

Prerequisites: None

Peer Counseling ✖ A

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only does this course help prepare students to work as peer counselors, but the skills they learn enhance their ability to communicate effectively in personal and work relationships.

Prerequisites: None



eDynamic Learning Electives ⊕

Philosophy ✖ A

This one-semester course takes students on an exciting adventure that covers more than 2,500 years of history. Along the way, students run into some very strange characters. For example, they read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. They learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As students learn about these great thinkers, they come to see how and where many of the most fundamental ideas of Western civilization originated. Students also get a chance to ask themselves some of the same questions these great thinkers pondered. By the time they “close the book” on this course, students have a better understand themselves and the world around them—from atoms to outer space—and everything in between.

Prerequisites: None

Real-World Parenting ✖ A

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. In this one-semester course, students learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent-child relationships are some of the topics covered in this course.

Prerequisites: None

Social Problems I ✖ A

Students become aware of the challenges faced by social groups as they learn about the complex relationship among societies, governments, and the individual. Each unit focuses on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual are examined. Students learn more about how social problems affect them personally as well as globally, and begin to develop the skills necessary to help make a difference in their own lives and communities.

Prerequisites: None



eDynamic Learning Electives ⊕

Social Problems II ✖ A

The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine the connections in the global arena involving societies, governments, and the individual.

Prerequisites: None

Sociology I ✖ A

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which we live? Students examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and affect their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

Prerequisites: None

Sociology II ✖ A

Sociology is the study of people, social life, and society. By developing a “sociological imagination” students are able to examine how society itself shapes human action and beliefs—and how in turn these factors reshape society itself. Fascinating online video journeys not only inform students, but motivate them to seek more knowledge on their own.

Prerequisites: None

Sports and Entertainment Marketing ✖ A

Whether you are watching a famous athlete make an unbelievable play or witnessing a sensational singing performance, the world of sports and entertainment is never boring. Although it may seem impossible for you to be a part of this glittery world, it's not! The Sports and Entertainment Marketing field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamour. Explore basic marketing principles while delving deeper into the multibillion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful. This course will show you exactly how things work behind the scenes of a major entertainment event and how you can be part of the act.

Prerequisites: None



eDynamic Learning Electives

Veterinary Science

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

Prerequisites: None

World Religions

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students trace the major developments in these religions and explore their relationships with social institutions and culture. The course also looks at some of the similarities and differences among the major religions and examines the connections and influences they have.

Prerequisites: None



NEW! **English 9** 

The English 9 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers.

Prerequisite: Literary Analysis and Composition (grade 8) (or equivalent)

NEW! **English 9 Honors** 

English 9 Honors includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course also includes an independent honors project each semester.

Prerequisite: Literary Analysis and Composition (grade 8) (or equivalent)

NEW! **English 10** 

The English 10 course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers.

Prerequisite: Literary Analysis and Composition I (or equivalent)

NEW! **English 10 Honors** 

English 10 Honors includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course also includes an independent honors project each semester.

Prerequisite: Literary Analysis and Composition I (or equivalent)



NEW! **Algebra 1** **A M T**

The Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of Algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

Prerequisite: Pre-Algebra (or equivalent)

NEW! **Algebra 1 Honors** **A M T**

Algebra 1 Honors is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of Algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

Prerequisite: Pre-Algebra (or equivalent)

NEW! **Algebra 2** **A M T**

In this Algebra 2 course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

Prerequisite: Algebra I and Geometry (or equivalents)

NEW! **Algebra 2 Honors** **A M T**

In Algebra 2 Honors, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

Prerequisite: Algebra I and Geometry (or equivalents)



NEW! **Geometry** ^A ^M ^T

The Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

Prerequisite: Algebra I (or equivalent)

NEW! **Geometry Honors** ^A ^M ^T

Geometry Honors builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling.

Prerequisite: Algebra I (or equivalent)



Credit Recovery—English

English I

In English I Credit Recovery, students learn about modern forms of communication and the media, with a focus on the Internet. They also explore elements of fiction and expository texts, build their vocabulary, and develop their language skills through reading and writing assignments. Vocabulary lists and definitions are provided in both English and Spanish. Tools to improve study skills are embedded throughout the course; threaded discussions, rubrics, and study guides help students absorb and proactively respond to the course content. Because the course is designed specifically for credit recovery students, content is appropriately grouped into smaller topics to increase retention and expand opportunities for assessment.

English II

In English II Credit Recovery, students conduct an in-depth survey of literature. They read literary works from a variety of genres and cultures and examine both classic and modern periods. In the process, students learn about literary techniques and the effectiveness and purposes of common literary devices. The course stresses critical-thinking skills; assignments include speaking and writing projects to help students develop these skills. Students continue to build their vocabulary in this course; as in English I, vocabulary lists and definitions are provided in English and Spanish. Interactive questions and games allow students to check their understanding before taking assessments.

English III

English III Credit Recovery helps students understand how the reading, writing, listening, and speaking skills they have been developing in high school can be applied to work they may do in college courses and in their future careers. Students use an online literature anthology to continue their study of literature. Course content progresses chronologically through the periods of American literature, from Native American oral traditions through contemporary works of poetry, fiction, drama, and nonfiction. Each unit focuses on a literary movement through the lens of an overlying theme. Students continue to work on their vocabulary skills and supplement their learning with multiple-choice games, self-check activities, and writing projects.

English IV

English IV Credit Recovery is a condensed version of the English IV Foundations course. Its format and length makes it great fit for summer programs and other contexts in which instructional time and teacher time may be limited. In this course, students read and analyze classic, modern, and contemporary literary works. Reading selections, which are contained in an online literary anthology, include plays, short stories, poetry, essays, and novels. Students think critically about the complex issues posed in the readings and express their interpretations of these issues in essays, research papers, journals, and oral presentations. Students learn about the validity of sources as they complete their writing assignments.



Credit Recovery—English

NEW! English 9 **A M T +**

English 9 Credit Recovery is a flexible online course designed for students who need to retake the course, catch up to classmates, or earn the credits necessary to graduate on-time. The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9. Examples of works studied include “The Black Cat,” “Ain’t I a Woman?” “Nothing Gold Can Stay,” and the novel *The Alchemist*. Students also learn about the formal writing process as they write a literary analysis essay.

NEW! English 10 **A M T +**

English 10 Credit Recovery is a flexible online course designed for students who need to retake the course, catch up to classmates, or earn the credits necessary to graduate on-time. The course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 10. Examples of works studied include “The Pit and the Pendulum,” poems by Lord Byron and Ezra Pound, Nixon’s resignation speech, and the memoir *Night*. Students also learn about the formal writing process as they write a literary analysis essay.



Credit Recovery—Math

Algebra I

The purpose of this course is to allow the student to gain mastery in working with and evaluating mathematical expressions, equations, graphs, and other topics, with an emphasis on real-world applications throughout this yearlong algebra course. The first semester of the course includes an introduction to real numbers and variable expressions, methods for solving equations, understanding functions and relations, and an in-depth study of linear and quadratic functions. The second semester of the course provides students with extensive instruction in topics, including systems of equations and inequalities, exponential and radical functions, rational expressions and equations as well as probability and statistics. Throughout the course are self-check quizzes, audio tutorials, interactive manipulatives, practice games, and plenty of review activities.

Algebra II

Algebra II Credit Recovery expands on the mathematical content of Algebra I and Geometry and serves as a foundation for the material presented in subsequent mathematics courses (for example, Trigonometry and Calculus). In this course, the emphasis is on functions and using algebraic solutions to solve various types of problems. Students are encouraged to develop their abstract-thinking skills as well as their computational skills. The two-semester course covers the following topics: linear and quadratic functions, radical functions, rational functions, exponential and logarithmic functions, trigonometric functions, systems of equality, geometry, conic sections, and statistics and probability.

NEW! Algebra 1

Algebra 1 Credit Recovery leads students from their proficiency and understanding of numbers and operations into the mathematics of algebraic thinking. Building on pre-algebra skills developed in middle school, students deepen their understanding of linear expressions and equations, linear inequalities, and coordinate graphing. They then explore and learn about the function concept, radical expressions, exponential expressions and functions, quadratic functions, systems of equations, factoring and roots of equations, and basic statistical analysis.

NEW! Algebra 2

Algebra 2 Credit Recovery builds on the mathematical proficiency and reasoning skills developed in Algebra 1 and Geometry to lead students into advanced algebraic work. The course emphasizes the concept of functions throughout. Sandwiched between short forays into probability and statistics is a thorough treatment of linear, quadratic, higher-degree polynomial, exponential, logarithmic, and trigonometric functions, with emphasis on analysis, problem solving, and graphing. Toward the end of the course, an introduction to sequences and series is presented in preparation for future work in mathematics.



Credit Recovery—Math

Geometry

Geometry Credit Recovery is a comprehensive course featuring geometric terms and processes, logic, and problem solving. The course begins by giving students an immediate connection to the content and concepts they have learned in their algebra courses. (Building on prior knowledge helps students absorb new content.) Students go on to learn about parallel line and planes; rays and angles; congruent triangles; inequalities; quadrilaterals; circles; polygons; perimeter, area, and volume; inductive and deductive reasoning; and translations, reflections, and rotations. They study various forms of proofs and develop their reasoning and problem-solving skills by studying similarity, areas, volumes, circles, and coordinate geometry.

NEW!

Geometry

Geometry Credit Recovery combines mathematical reasoning and proof with an extension of students' algebraic development in geometric contexts. The course focuses primarily on two-dimensional shapes in the Euclidean plane. Starting with segments and angles, students develop understanding of and work through problems and proofs involving congruence, similarity, parallel and perpendicular lines, quadrilaterals, and circles. Toward the end of the course, time is also spent extending the treatment of triangles into basic trigonometry concepts and providing students with a detailed taste of analytic geometry by developing and using the equation of a circle in the coordinate plane.



Credit Recovery—Science

Biology

This credit recovery course is an introduction to biology, which is the branch of knowledge that deals with living organisms and vital processes. In Biology, students learn about the processes of scientific inquiry (the diverse ways in which scientists study the natural world and propose explanations based on the evidence derived from their work). They also learn about the fundamental principles of living organisms, including physical and chemical properties of life, cellular organization and function, and the transfer of energy. The course also addresses cellular reproduction, the classification of living things, and the six kingdoms of life. Students explore ecology and ecosystems and conclude the course with a unit on human biology and populations.

Chemistry

This course adheres closely to standards for the teaching of chemistry. Emphasis is placed on the use of theoretical and mathematical concepts to explain and predict chemical behavior. This course has been specifically built with the credit recovery student in mind. The course content has been appropriately grouped into smaller topics to increase retention and expand opportunities for assessment. Students engage in learning through multimedia activities, enhancing the information through contextual presentations. Post-topic quizzes are presented with each topic of content. Audio readings are included with every portion of content, allowing auditory learners the opportunity to engage with the course. Test pools and randomized test questions are utilized as well as unit exams, ensuring that students taking the course are not be presented with the same assessment content.

Earth Science

Earth Science is the branch of science devoted to studying the planet Earth and all the objects in the universe. This course begins with an introduction to the processes, methods, and tools of scientific inquiry. An understanding of the geology of Earth is built through units that discuss topics such as rocks and minerals, plate tectonics, and Earth's natural resources. Students build their understanding of the structure and function of the Earth's atmosphere, as well as situations that cause changes in the atmosphere. The study of oceanography is introduced with such topics as seafloor features and ocean currents. Weather, climate, and climate change are topics that begin to develop an understanding of meteorology. Throughout the course, students develop an understanding of how Earth's systems and cycles work together to make life on Earth possible. The students also take a tour of the universe as they discuss its formation, the characteristics of the objects in our solar system, and the universe beyond our solar system. Throughout the course, they see examples of how individuals have built our knowledge of Earth and the universe through invention, innovation, and discovery.



Credit Recovery—Science

Physical Science

This credit recovery course is an introductory course to high school science courses. In Physical Science, students expand on their middle school science experiences to prepare for subsequent courses in biology, chemistry, and physics. The course emphasizes scientific thinking as a way of understanding the natural phenomena that surround us. It includes real and virtual lab exercises and gives students the skills to discuss a number of scientific topics, understand how science is used in their daily lives, and become comfortable with solving simple algebraic expressions that support scientific laws. Built with the credit recovery student in mind, the course content is grouped into smaller topics to increase retention and expand opportunities for assessment.



Credit Recovery—History and Social Sciences

American Government ✖ ⓘ

This one-semester credit recovery course covers the historical backgrounds, governing principles, and institutions of the government of the United States. The focus is on the principles and beliefs that the United States was founded on and on the structure, functions, and powers of government at the national, state, and local levels. In American Government, students examine the principles of popular sovereignty, separation of powers, checks and balances, republicanism, federalism, and individual rights. They also learn about the roles of individuals and groups in the American political system. Students compare the American system of government with other modern systems and assess the strengths and problems associated with the American version.

American History ⓘ

This credit recovery course gives students a basic understanding of American history. The course begins with the settling of America and continues through present-day domestic and world issues that affect American society. In this course, students analyze influential documents and learn about significant individuals who contributed to the nation's development. They study the causes and effects of the various wars in which Americans have fought, and they use critical-thinking and problem-solving skills as they take part in interactive discussions and complete a variety of assignments. By the end of the course, students have the knowledge to discuss the characteristics that define the United States as a world power.

Economics ✖ ⓘ

In this one-semester credit recovery course, students gain a basic understanding of economics. The course uses real-world economic applications to help students better grasp a range of economic concepts, including macro- and microeconomic concepts. The course covers the American free enterprise system and addresses how this system affects the global economy. Students learn how to think like economists as they study economic principles and different economic systems. They analyze and interpret data to understand the laws of supply and demand. Examining the world of business, money, banking, and finance helps students understand how economics is applied both domestically and globally.

Geography ⓘ

Designed for credit recovery students, this course examines a broad range of geographical perspectives covering all of the major regions of the world. Each region is reviewed in a similar structure so that students can clearly see the similarities and differences between regions. Specifically, the course explores where each region is located along with its physical characteristics, including absolute and relative location, climate, and significant geographical features. The course closely examines the human impact on each region from cultural, economic, and political perspectives. It also includes instruction on writing about art and a discussion of art historians.



Credit Recovery—History and Social Sciences

World History

World History Credit Recovery is a survey of world history from prehistoric to contemporary times. Students learn about the socioeconomic, political, and ideological conditions of various time periods as they study historical events, cultural achievements, and world regions. Using primary and secondary sources, students employ critical-thinking and problem-solving skills as they conduct inquiry-based research, participate in interactive discussions, and complete assignments establishing real-world connections. By the end of the course, students can articulate the relationship between historical occurrences and contemporary situations. They can also predict how contemporary issues will affect future generations based on historical evidence.



Credit Recovery—World Languages

NEW! Spanish I      

Spanish I Credit Recovery is a flexible online course designed for students who need to retake Spanish I, improve their skills, or earn the credits necessary to graduate on time. The course focuses on three key areas of foreign language study: listening, reading, and writing. Students learn vocabulary and grammar pertaining to a level I Spanish course. They acquire the concepts through reading and listening comprehension activities, association activities, and writing practice. Vocabulary and grammar are introduced in context and are practiced through a variety of interactive activities and exercises. Upon completion of the course, students are able to use Spanish vocabulary and grammatical structures to talk about themselves and familiar topics.



Credit Recovery—Electives

Health ✖️ Ⓐ Ⓜ Ⓣ Ⓤ Ⓡ

In Health Credit Recovery, students develop the knowledge and skills they need to make healthy decisions that allow them to stay active, safe, and informed. The course presents the components of a healthy lifestyle and strategies for making healthy choices. Instructional material introduces students to the concepts of mental, emotional, social, consumer, and physical health. Students have opportunities to apply their value systems to decisions concerning their own health. They learn about the importance of good nutrition and how to help prevent many prevalent diseases. They also learn basic first aid and CPR skills and develop an awareness of the dangers of drug, alcohol, and tobacco use. Students develop communication skills in this one-semester course that allow them to demonstrate healthy choices with respect for self, family, and others.

Physical Education ✖️ Ⓐ Ⓜ Ⓣ Ⓤ Ⓡ

In Physical Education Credit Recovery, students develop an awareness of the fundamental components and principles of fitness. This course examines safety guidelines, proper technique, and exercise principles such as FITT: Frequency (how often you exercise), Intensity (how hard you work during exercise), Time (how long you exercise), and Type (what type of activity you do). Students learn about the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. They learn the health benefits of several different types of lifetime fitness activities, as well as the proper technique to safely participate in these pursuits. Students also assess their current stress levels and discover ways to effectively manage stress in their lives. This one-semester course equips students with strategies to help them begin, design, and maintain an exercise program to keep them fit for life.

fueeducation®

CALL 855.402.3533

WEB fueeducation.com