

COURSE CATALOG | 2018-2019

Fueled ONLINE COURSES

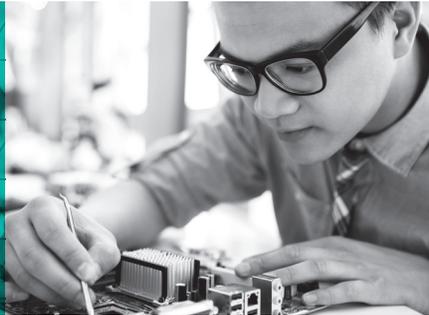


Table of Contents / 2018–2019

HIGH SCHOOL COURSE LIST 2

High School Course Level Definitions	6
English	8
Math	13
Science	20
History and Social Sciences	25
World Languages.....	34
Standard Electives.....	44
Premier Electives.....	52
Career-Focused Electives	65
Credit Recovery—English.....	78
Credit Recovery—Math	80
Credit Recovery—Science	81
Credit Recovery—History and Social Sciences	83
Credit Recovery—World Languages.....	86
Credit Recovery—Electives	87
Orientation	88

MIDDLE SCHOOL COURSE LIST 89

English/Language Arts	90
Math	91
Science	92
Social Studies	93
World Languages.....	95
Electives	100

ELEMENTARY SCHOOL COURSE LIST 107

English/Language Arts	108
Math	113
Science	115
History and Social Sciences	117
World Languages.....	118
Electives	122

High School Course List / 2018–2019

English

- American Literature (Core)   
- American Literature (Comprehensive)   
- American Literature (Honors)   
- AP® English Language and Composition 
- AP® English Literature and Composition 
- British and World Literature (Core)   
- British and World Literature (Comprehensive)   
- British and World Literature (Honors)   
- Creative Writing
- English 9 (Summit Curriculum)   
- English 9 Honors (Summit Curriculum)   
- English 10 (Summit Curriculum)   
- English 10 Honors (Summit Curriculum)   
- English Foundations I
- English Foundations II
- Grammar and Composition
- Journalism  
- Public Speaking 

Math

- Algebra 1 (Summit Curriculum)   
- Algebra 1 Honors (Summit Curriculum)   
- Algebra 2 (Summit Curriculum)   
- Algebra 2 Honors (Summit Curriculum)   
- AP® Calculus AB 
- AP® Calculus BC 
- AP® Statistics 
- Calculus (Comprehensive)
- Consumer Math (Core)
- Continuing Algebra (Core) 
- Developmental Algebra (Core) 
- Geometry (Summit Curriculum)   
- Geometry Honors (Summit Curriculum)   
- Integrated Math (Comprehensive)
- Integrated Mathematics I (Comprehensive) 
- Integrated Mathematics II (Comprehensive) 
- Integrated Mathematics III (Comprehensive) 
- Math Foundations I
- Math Foundations II
- Personal Finance   

Math, continued

- Practical Math (Core) 
- Pre-Algebra (Core) 
- Pre-Algebra (Comprehensive) 
- Pre-Calculus/Trigonometry (Comprehensive)  
- Probability and Statistics (Comprehensive)   

Science

- AP® Biology 
- AP® Chemistry 
- AP® Environmental Science  
- Biology (Core)   
- Biology (Comprehensive)   
- Biology (Honors)   
- Chemistry (Core)   
- Chemistry (Comprehensive)   
- Chemistry (Honors)   
- Earth Science (Core)   
- Earth Science (Comprehensive)   
- Earth Science (Honors)   
- Environmental Science 
- Forensic Science  
- Introduction to Renewable Technologies  
- Physical Science   
- Physics (Comprehensive)   
- Physics (Honors)   

History and Social Sciences

- Anthropology 
- AP® Art History   
- AP® Macroeconomics  
- AP® Microeconomics  
- AP® Psychology  
- AP® U.S. Government and Politics    
- AP® U.S. History
- AP® World History 
- Civics 
- Contemporary World Issues
- Economics 
- Geography  

High School Course List / 2018–2019

History and Social Sciences, continued

- Modern U.S. History (Core)
- Modern U.S. History (Comprehensive)
- Modern U.S. History (Honors)
- Modern World Studies (Core)
- Modern World Studies (Comprehensive)
- Modern World Studies (Honors)
- Psychology  
- U.S. and Global Economics (Core) 
- U.S. and Global Economics (Comprehensive) 
- U.S. Government and Politics (Core) 
- U.S. Government and Politics (Comprehensive) 
- U.S. History (Core)  
- U.S. History (Comprehensive)  
- U.S. History (Honors)  
- World History (Core)  
- World History (Comprehensive)  
- World History (Honors)  

World Languages

- AP® French Language and Culture (MIL) 
- AP® Spanish Language and Culture (MIL) 
- Chinese I (Competency) (MIL) 
- Chinese I (Fluency) (MIL) 
- Chinese II (Competency) (MIL) 
- Chinese II (Fluency) (MIL) 
- French I (Competency) (MIL) 
- French I (Fluency) (MIL) 
- French II (Competency) (MIL) 
- French II (Fluency) (MIL) 
- French III (Competency) (MIL) 
- German I (Competency) (MIL) 
- German II (Competency) (MIL) 
- Latin I (Competency) 
- Latin II (Competency) 
- Spanish I (Competency) (MIL) 
- Spanish I (Fluency) (MIL) 
- Spanish II (Competency) (MIL) 
- Spanish II (Fluency) (MIL) 
- Spanish III (Competency) (MIL) 

Standard Electives

- Achieving Your Career and College Goals 
- Anatomy and Physiology I  
- Anatomy and Physiology II  
- Computer Fundamentals 
- Computer Literacy    
- Computer Science   
- Digital Photography 
- Family and Consumer Science   
- Fine Art 
- General Accounting I   
- General Accounting II   
- Image Design and Editing 
- Introduction to Entrepreneurship I 
- Introduction to Entrepreneurship II 
- Introduction to Online Learning  *(not for credit)*
- Life Skills 
- Marketing I  
- Marketing II  
- Music Appreciation 
- Nutrition and Wellness 
- Physical Education  
- Principles of Public Service:
To Serve and Protect  
- Reaching Your Academic Potential 
- Service Learning 
- Skills for Health 
- Web Design  

Premier Electives

- 2D Animation  
- 3D Modeling  
- Advertising and Sales Promotion 
- Agriscience II 
- Archaeology   
- Art in World Cultures   
- Astronomy  
- Audio Engineering  
- Biotechnology    
- Business and Healthcare Explorations  

High School Course List / 2018–2019

Premier Electives, continued

- C++ Programming ½ ⓘ
- Careers in Criminal Justice ½ ⓘ □
- Cosmetology ½ ⓘ □
- Criminology ½ ⓘ □
- Digital Arts I ½ ⓘ □ +
- Digital Arts II ½ +
- Early Childhood Education ½ ⓘ □
- Engineering Design/CAD ½
- Fashion and Interior Design ½ ⓘ □ +
- Game Design I ½ □ +
- Game Design II ½ □ +
- Gothic Literature ½ ⓘ □
- Great Minds in Science ½ ⓘ □
- Green Design and Technology ½
- Health Science I ½ ⓘ □
- Health Science II ½ ⓘ □
- History of the Holocaust ½ ⓘ □
- Hospitality and Tourism ½ ⓘ □
- HTML5/CSS3 Programming ½
- International Business ½ ⓘ □
- Introduction to Agriscience ½ ⓘ □
- Introduction to Computer Science ½ □
- Introduction to Culinary Arts ½ ⓘ □ +
- Introduction to Forestry and Natural Resources ½ □
- Introduction to Manufacturing ½ ⓘ □
- IT and Manufacturing Explorations ½
- Java Programming I ½ ⓘ □
- Java Programming II ½ ⓘ □
- Law and Order/Legal Studies ½ ⓘ □
- Mythology and Folklore ½ ⓘ □
- Peer Counseling ½ ⓘ □
- Philosophy ½ ⓘ □
- Programming Logic and Design ½ □
- Python Programming ½
- Real World Parenting ½ ⓘ □
- Social Problems I ½ ⓘ □
- Social Problems II ½ ⓘ □
- Sociology I ½ ⓘ □
- Sociology II ½ ⓘ □
- Sports and Entertainment Marketing ½ ⓘ □
- Veterinary Science ½ ⓘ □
- World Religions ½ ⓘ □ +

Career-Focused Electives

- A+ Computer Management I ½
- A+ Computer Management II with A+ Certification Preparation ½ □ +
- Adobe Dreamweaver® with Adobe Certification Preparation ½ □ +
- Adobe Illustrator® with Adobe Certification Preparation ½ □ +
- Adobe InDesign® with Adobe Certification Preparation ½ □ +
- Adobe Photoshop® with Adobe Certification Preparation ½ □ +
- Dental Assisting I ½ +
- Dental Assisting II ½ +
- Dental Assisting III ½ +
- Food Production I ½ □
- Food Production II ½ □
- Fundamentals of Manufacturing ½ +
- Introduction to Medical Terminology ½ +
- Introduction to Restaurant Management ½ □
- Lean Manufacturing and Automation ½
- Manufacturing Product Development ½ +
- Manufacturing Process Development I ½ +
- Manufacturing Systems ½ +
- Medical Assistant ½ +
- Medical Assistant II ½ +
- Medical Assistant III with Certified Medical Assistant Certification Preparation ½ +
- Microsoft Word® with Certification Preparation ½ □ +
- Microsoft PowerPoint® with Certification Preparation ½ □ +
- Microsoft Excel® with Certification Preparation ½ □ +
- Microsoft Access® with Certification Preparation ½ □ +
- Modern Livestock & Poultry Production I ½
- Modern Livestock & Poultry Production II ½
- Network+ Guide to Networks I ½
- Network+ Guide to Networks II with Network+ Certification Preparation ½
- Nursing Assistant I ½ □ +
- Nursing Assistant II ½ □ +
- Nursing Assistant III with Certified Nursing Assistant Certification Preparation ½ +
- Pharmacy Technician I ½ □ +

High School Course List / 2018–2019

Career-Focused Electives, continued

- Pharmacy Technician II with Pharmacy Technician Certification Preparation   
- Pharmacy Technician III with Pharmacy Technician Certification Preparation   
- Precision Machining Technology 
- Precision Machining Technology 2 
- Principles of Agriculture, Food and Natural Resources Security+ I  
- Security+ II 
- Security+ II with Security+ Certification Preparation 
- Sports Medicine I 
- Sports Medicine II 
- Wildlife and Natural Resource Management I 
- Wildlife and Natural Resource Management II 

Orientation

- Finding Your Path I
- Finding Your Path II
- Finding Your Path III
- Finding Your Path IV

Credit Recovery

ENGLISH

- American Literature
- British and World Literature
- English 9   
- English 10   
- English III (Grade 11) 
- English IV (Grade 12) 

MATH

- Algebra 1    
- Algebra 2    
- Geometry    

SCIENCE

- Biology 
- Chemistry 
- Earth Science
- Physical Science 

HISTORY AND SOCIAL SCIENCES

- American Government 
- American History
- Economics 
- Geography
- Modern U.S. History
- Modern World Studies
- U.S. History
- World History

WORLD LANGUAGES

- Spanish I 

ELECTIVES

- Health   
- Physical Education   

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 English Language Learner (ELL) support.

High School Course Level Definitions (continued)

Competency

The Middlebury Interactive Languages™ Competency 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

The Middlebury Interactive Languages Fluency courses are based on world language 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

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.

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: English 10 (Summit Curriculum) (or equivalent)

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.

Prerequisite: English 10 (Summit Curriculum) (or equivalent)

American Literature (Honors) ⓘ □ ⊕

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

Prerequisites: English 10 Honors (Summit Curriculum) (or equivalent) and teacher/school counselor recommendation



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 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.

Prerequisites: English 10 Honors (Summit Curriculum) (or equivalent) or American Literature Honors (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.

Prerequisites: English 10 Honors (Summit Curriculum) (or equivalent) or American Literature Honors (or equivalent), and teacher/school counselor recommendation

British and World Literature (Core) ⓘ □ +

This course engages students in selections from British and world literature from the ancient world through modern times. Students practice analytical writing and have opportunities for creative expression. Students also practice critical reading and writing test-taking skills.

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)

British and World Literature (Comprehensive) ⓘ □ +

Students read selections from British and world literature and analyze the themes, styles, and structures of these texts. They also make thematic connections among diverse authors, periods, and settings. Students complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice critical reading and writing test-taking skills.

Prerequisite: American Literature (Comprehensive) (or equivalent)



English

British and World Literature (Honors)

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

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

Creative Writing

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

Prerequisite: None

English 9 (Summit Curriculum)

This English 9 Summit 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, informational, and argumentative writing. Students also develop and deliver presentations and participate in discussions with their peers.

Prerequisite: Grade 8 Language Arts (or equivalent)

English 9 Honors (Summit Curriculum)

This English 9 Honors Summit 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, informational, and argumentative writing. Students also develop and deliver presentations, and participate in discussions with their peers. This course also includes an independent honors project each semester.

Prerequisites: Grade 8 Language Arts (or equivalent) and teacher/school counselor recommendation



English

English 10 (Summit Curriculum) ⓘ □ ⊕

This English 10 Summit 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, informational, and argumentative writing. Students also develop and deliver presentations and participate in discussions with their peers.

Prerequisite: English 9 (Summit Curriculum) (or equivalent)

English 10 Honors (Summit Curriculum) ⓘ □ ⊕

This English 10 Honors Summit 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, informational, and argumentative writing. Students also develop and deliver presentations and participate in discussions with their peers. This course also includes an independent honors project each semester.

Prerequisites: English 9 Honors (Summit Curriculum) (or equivalent) and teacher/school counselor recommendation

English Foundations I (Remediation) ⓘ

Students build and reinforce foundational reading, writing, and basic academic skills typically found in third through fifth grade for which they have not achieved mastery. 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 typically found in sixth through eighth grade, achieving the skills needed to undertake high school English courses with confidence. 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, in addition to grammar, style, and media literacy.

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



English

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.

Available on PEAK platform only.

Prerequisite: 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.

Prerequisite: None

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.

Prerequisite: None



HIGH SCHOOL COURSE LIST

Math

Algebra 1 (Summit Curriculum)

This Algebra 1 Summit 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: Math 8 (Summit Curriculum) (or equivalent)

Algebra 1 Honors (Summit Curriculum)

This Algebra 1 Honors Summit course is intended to formalize and extend the mathematics that students learned in the middle grades. 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. Additionally, this course includes an independent honors project each semester.

Prerequisites: Math 8 (Summit Curriculum) (or equivalent) and teacher/school counselor recommendation

Algebra 2 (Summit Curriculum)

In this Algebra 2 Summit 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.

Prerequisites: Algebra 1 (Summit Curriculum) (or equivalent), and Geometry (Summit Curriculum) (or equivalent), and teacher/school counselor recommendation

Algebra 2 Honors (Summit Curriculum)

In this Algebra 2 Honors Summit 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. Additionally, this course includes an independent honors project each semester.

Prerequisites: Algebra 1 (Summit Curriculum) (or equivalent), Geometry (Summit Curriculum) (or equivalent), and teacher/school counselor recommendation



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.

Prerequisites: Geometry Honors (Summit Curriculum), Algebra 2 Honors (Summit Curriculum), 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.

Prerequisites: Geometry Honors (Summit Curriculum), Algebra 2 Honors (Summit Curriculum), 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.

Prerequisites: Algebra 2 Honors (Summit Curriculum) (or equivalent) and teacher/school counselor recommendation



HIGH SCHOOL COURSE LIST

Math

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)

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.

Prerequisite: 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)

MIL Middlebury Interactive Languages  0.5 credit course  accessible  flash-free  additional materials may be required



HIGH SCHOOL COURSE LIST

Math

Geometry (Summit Curriculum)

This Geometry Summit 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 1 (Summit Curriculum) (or equivalent)

Geometry Honors (Summit Curriculum)

This Geometry Honors Summit 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. This course also includes an independent honors project each semester.

Prerequisites: Algebra 1 (Summit Curriculum) (or equivalent) and teacher/school counselor recommendation

Integrated Math (Comprehensive)

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 1 (Summit Curriculum) (or equivalent)



HIGH SCHOOL COURSE LIST

Math

Integrated Mathematics I (Comprehensive)

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 (Comprehensive)

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.

Prerequisite: Integrated Mathematics I (or equivalent)

Integrated Mathematics III (Comprehensive)

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)



HIGH SCHOOL COURSE LIST

Math

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

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.

Prerequisite: 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 1 (Summit Curriculum) and Geometry (Summit Curriculum)



HIGH SCHOOL COURSE LIST

Math

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. Lessons provide demonstrations of concepts as well as interactive problems with contextual feedback.

Prerequisite: Math 6 (Summit Curriculum) (or equivalent)

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. Lessons provide demonstrations of key concepts as well as interactive problems with contextual feedback. A textbook supplements the online material.

Prerequisite: Math 6 (Summit Curriculum) (or equivalent)

Pre-Calculus/Trigonometry (Comprehensive)

Pre-calculus weaves together the 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 (Summit Curriculum) and Algebra 2 (Summit Curriculum) (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 2 (Summit Curriculum) (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.

Prerequisites: Biology Honors, Chemistry Honors, Algebra 1 Honors (Summit Curriculum) (or equivalents), and teacher/school counselor recommendation required; success in Algebra 2 Honors (Summit Curriculum) highly recommended

AP[®] Chemistry

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

Available on Online School platform only.

Prerequisites: Chemistry Honors, Algebra 2 Honors (Summit Curriculum) (or equivalents), and teacher/school counselor recommendation

AP[®] Environmental Science

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

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



HIGH SCHOOL COURSE LIST

Science

Biology (Core)

In this course, students focus on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of online lessons, including extensive animations, an associated reference book, collaborative activities, and laboratory experiments students can conduct at home.

Prerequisite: Middle school Life Science (or equivalent)

Biology (Comprehensive)

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

Prerequisite: Middle school Life Science (or equivalent)

Biology (Honors)

This course provides students with a challenging honors-level biology curriculum, focusing on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of advanced online lessons, including extensive animations, an associated reference book, collaborative explorations, and laboratory experiments students can conduct at home. Honors activities include debates, research papers, and extended 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, laboratories, and related assessments, used with a problem-solving book.

Prerequisites: Middle school Physical Science or Physical Science (Core) and a satisfactory grasp of algebra basics, evidenced by success in Algebra 1 (Summit Curriculum) (or equivalents)



HIGH SCHOOL COURSE LIST

Science

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) (or equivalents), and a solid grasp of algebra basics, evidenced by success in Algebra 1 (Summit Curriculum) (or equivalent)

Chemistry (Honors)

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 1 (Summit Curriculum), Algebra 1 Honors (Summit Curriculum) (or equivalents), and teacher/school counselor recommendation

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

Prerequisite: Middle school Earth Science (or equivalent)



HIGH SCHOOL COURSE LIST

Science

Earth Science (Honors)

This challenging course provides students with an honors-level earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of online lessons, an associated reference book, collaborative activities, and 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, and extended collaborative laboratories.

Prerequisites: Middle school Earth Science (or equivalent), middle school Physical Science (or equivalent) is recommended, 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

Forensic Science

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, 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



HIGH SCHOOL COURSE LIST

Science

Introduction to Renewable Technologies

With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, students learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. They explore new ways of generating energy and storing that energy, from biofuels to high-capacity batteries and smart electrical grids. Students also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions influence policies.

Available on Online School platform only.

Prerequisite: None

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 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 associated problem-solving book.

Prerequisites: Algebra 2 (Summit Curriculum) and Pre-Calculus/Trigonometry (or equivalents); Pre-Calculus/Trigonometry strongly recommended as a prerequisite, but this course may instead be taken concurrently with Physics (Comprehensive)



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.

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

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.

Prerequisite: 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.

Prerequisites: Algebra 2 Honors (Summit Curriculum) (or equivalent) and teacher/school counselor recommendation



HIGH SCHOOL COURSE LIST

History and Social Sciences

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.

Prerequisites: Algebra 2 Honors (Summit Curriculum) (or equivalent) and teacher/school counselor recommendation

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.

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

AP® U.S. Government and Politics

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

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



History and Social Sciences

AP® U.S. History

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

Available on Online School platform only.

Prerequisites: Success in previous history course 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

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.

Prerequisite: None



History and Social Sciences

Contemporary World Issues

Students analyze governments, economies, peoples, and cultures from around the world in this course. Instruction emphasizes the structures and policies of the United States and how they compare to other systems in the international community. Students apply critical thinking and research skills to examine current events and contemporary issues.

Prerequisite: None

Economics

Students are introduced to the basics of economic principles, and they learn the importance of understanding different economic systems. They also investigate how to think like an economist. Students explore different economic systems, including the American free enterprise system, and they analyze and interpret data to understand the laws of supply and demand. Students are also presented with economic applications in today's world. From economics in the world of business, money, banking, and finance, students see how economics is applied both domestically and globally. Students also study how the government is involved in establishing economic stability in the American free enterprise system as well as how the U.S. economy has a global impact.

Prerequisite: 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.

Prerequisite: 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.

Prerequisite: 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)

Modern U.S. History (Honors)

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.

Prerequisite: 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.

Prerequisite: World History (or equivalent)

Modern World Studies (Honors)

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 (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



HIGH SCHOOL COURSE LIST

History and Social Sciences

U.S. and Global Economics (Core) ½

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) ½

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) ½

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) ½

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)

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

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)

U.S. History (Honors)

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.

Prerequisite: 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.

Prerequisite: Middle school social studies

World History (Honors)

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



World Languages

AP® French Language and Culture (MIL)

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.

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

AP® Spanish Language and Culture (MIL)

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

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



World Languages

Chinese I (Comprehensive) (MIL)

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 that 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.

Prerequisite: None

Chinese I (Fluency) (MIL)

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.

Available on PEAK platform only.

Prerequisite: None



World Languages

Chinese II (Comprehensive) (MIL) □

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 start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course and students are expected to learn several characters in 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 regions; and take frequent assessments by which their language progression can be monitored.

Prerequisite: Chinese I

Chinese II (Fluency) (MIL) □

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 that 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 in each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension.

Available on PEAK platform only.

Prerequisite: Chinese I



World Languages

French I (Comprehensive) (MIL)

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

Prerequisite: None

French I (Fluency) (MIL)

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 processing 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.

Available on PEAK platform only.

Prerequisite: None



World Languages

French II (Comprehensive) (MIL) □

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

Prerequisite: French I

French II (Fluency) (MIL) □

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.

Available on PEAK platform only.

Prerequisite: French I



World Languages

French III (Comprehensive) (MIL) □

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 both formal and informal spoken and written contexts. Students should expect to be actively engaged in their own language learning; use correct vocabulary terms and phrases naturally; incorporate a wide range of grammar concepts consistently and correctly while speaking and writing; participate in conversations covering a wide range of topics; respond appropriately to conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; read and analyze important pieces of literature; and take frequent assessments by which their language progression can be monitored. The course is conducted almost entirely in French.

Prerequisite: French II

German I (Comprehensive) (MIL) □

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

Prerequisite: None



World Languages

German II (Comprehensive) (MIL) □

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

Prerequisite: German I

Latin I (Comprehensive) □

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. 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.

Prerequisite: None



World Languages

Latin II (Comprehensive)

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 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. 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; 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.

Prerequisite: Latin I

Spanish I (Comprehensive) (MIL)

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

Prerequisite: None



World Languages

Spanish I (Fluency) (MIL)

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.

Available on PEAK platform only.

Prerequisite: None

Spanish II (Comprehensive) (MIL)

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

Prerequisite: Spanish I



World Languages

Spanish II (Fluency) (MIL)

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.

Available on PEAK platform only.

Prerequisite: Spanish I

Spanish III (Comprehensive) (MIL)

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.

Prerequisite: Spanish II



Standard 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 11th and 12th graders.

Prerequisite: None

Anatomy and Physiology I

Anatomy and Physiology Levels I and II provide a introduction to the basics required for the study of the human body and how it functions. Students receive a general introduction to life functions, the terminology and phonetic pronunciations used to describe body parts and their locations, as well as an overall review of human development and body processes. This course also includes infection control and standard precautions, which emphasizes the importance of maintaining health and safety in the healthcare work environment as well as highlights the latest practices and protocols.

Prerequisite: None

Anatomy and Physiology II

Anatomy and Physiology Levels I and II provide a introduction to the basics required for the study of the human body and how it functions. Students receive a general introduction to life functions, the terminology and phonetic pronunciations used to describe body parts and their locations, as well as an overall review of human development and body processes. This course also includes infection control and standard precautions, which emphasizes the importance of maintaining health and safety in the healthcare work environment as well as highlights the latest practices and protocols.

Prerequisite: Anatomy and Physiology I



Standard Electives

Computer Fundamentals

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 gain practice in using key applications, such as word processors, spreadsheets, and presentation software, as well as understanding of social and ethical issues around the internet, information, and security. This is a two-semester course package. In the first semester, the focus is on the fundamentals, learning and using the applications, and understanding the basic roles and responsibilities of the software, hardware, and operating system. 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 the student has already completed Computer Literacy.

Prerequisite: None

Computer Literacy

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 gain practice in using key applications, such as word processing, spreadsheet, and presentation software, as well as understanding of 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 the applications, and understanding the basic roles and responsibilities of the software, hardware, and operating system. In the second part, the focus is on gathering and analyzing data, and using the right tools and methods to collect and present data.

Prerequisite: 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.

Prerequisite: None



Standard Electives

Digital Photography

In this one-semester course, students learn the basics of photographic composition and lighting, and develop an understanding of using a digital camera and the basics of preparing a digital darkroom. Students also learn basic color theory and the fundamentals of image processing. Software skills are taught through practical, hands-on activities that get students involved in the learning process and help them retain the content. This course is designed for students who have no background in photography to produce their own unique and highly personalized images.

Prerequisite: None

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 their contributions to the well-being of the family and the community.

Available on PEAK platform only.

Prerequisite: 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

General Accounting I

General Accounting Levels I and II 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 will be equipped to work with Microsoft Excel®, Peachtree®, QuickBooks®, and Automated Accounting Online. The courses include units on careers in accounting, ethics, global awareness, financial literacy, and forensic accounting.

Prerequisite: None



Standard Electives

General Accounting II

General Accounting Levels I and II 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 will be equipped to work with Microsoft Excel[®], Peachtree[®], QuickBooks[®], and Automated Accounting Online. The courses include units on careers in accounting, ethics, global awareness, financial literacy, and forensic accounting.

Prerequisite: General Accounting I

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.

Prerequisite: None

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 non-profit 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.

Prerequisite: 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 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)



Standard Electives

Introduction to Online Learning *(half-year course, not for credit)*

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

Available on Online School platform only.

Prerequisite: None

Life Skills $\frac{1}{2}$

This one-semester elective is designed to increase students' knowledge of and ability to use 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.

Prerequisite: None

Marketing I $\frac{1}{2}$ □

Students learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. Professional development, customer service, and social media are presented as keys to students' success. While students study business, economics, selling, human relations, communications, logistics, promotion, product planning, and pricing, they also see marketing as a career choice.

Prerequisite: None

Marketing II $\frac{1}{2}$ □

Students learn the foundations and functions needed to successfully market goods, services, and ideas to consumers. Professional development, customer service, and social media are presented as keys to students' success. While students study business, economics, selling, human relations, communications, logistics, promotion, product planning, and pricing, they also learn about marketing as a career choice.

Prerequisite: Marketing I



Standard Electives

Music Appreciation

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

Prerequisite: 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.

Prerequisite: None

Physical Education

This pass/fail course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition and diet, and stress management. Students may enroll in the course for either one or two semesters, and repeat for further semesters as needed to fulfill state requirements.

Prerequisite: None



Standard Electives

Principles of Public Service: To Serve and Protect

This course explores some common characteristics of careers in public service. Topics include an exploration of careers in public service, the role of government in public service, the importance of teamwork, effective leadership, and how rules and regulations are used to check government and individual conduct. In addition, students take a closer look at the communications, health, public safety, education, and social services sectors of public service.

Prerequisite: 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.

Prerequisite: 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 them, 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.

Prerequisite: None



Standard Electives

Skills for Health ^{1/2}

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 resources for personal health, environmental conservation, and community health. 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.

Prerequisite: None

Web Design ^{1/2} +

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

Prerequisite: None



Premier Electives

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.

Prerequisite: None

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.

Prerequisite: None

Advertising and Sales Promotion

This course exposes students to methods and techniques businesses use to advertise their products and services. Topics include financing promotional activities, technical skills used by marketers, the components of an effective promotional mix, and personal selling techniques. In addition to key concepts of advertising, students take a closer look at careers in advertising, the skills needed to work in this industry, and the role of advertising in the 21st century. To apply the knowledge they have gained, students complete a capstone project in which they develop a promotional plan.

Prerequisite: None

Agriscience II

In Agriscience II, students build on their existing knowledge of plant and animal science and delve deeper into important areas such as soil science and weed management. Students also explore research on plant and animal diseases, as well as the insects and other pests that can impact agricultural enterprises and natural resources.

Prerequisite: None



Premier Electives

Archaeology

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

Prerequisite: None

Art in World Cultures

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.

Prerequisite: None

Astronomy

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

Prerequisite: 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.

Prerequisite: None



Premier Electives

Biotechnology

In this course, students explore the history of biotechnology, including early attempts at food preservation, the development of antibiotics, and changes to food crops around the world. Students also learn more about some of the challenges of biotechnology such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). Finally, students research new biotechnologies and how they are changing the world we live in.

Prerequisite: None

Business and Healthcare Explorations

This course is designed as an exploration of two career clusters. Students get an introduction to these fields so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of business and healthcare as well as career options in each area. In addition to studying concepts of entrepreneurship, accounting, and marketing, students explore these concepts on scales that range from a single person to nations. The second part of 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.

Prerequisite: None

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.

Prerequisite: Programming Logic and Design

Careers in Criminal Justice

In this course, students explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system. Careers in each area are explored, and students learn about the expectations and training required for various career options in the criminal justice field.

Prerequisite: None



Premier Electives

Cosmetology

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 is also presented.

Prerequisite: None

Criminology

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?

Prerequisite: None

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.

Prerequisite: 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)

Early Childhood Education

In this course, 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.

Prerequisite: None



Premier Electives

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.

Prerequisite: None

Fashion and Interior Design

Students try their hand at designing as they learn the basics of color and design, then test their skills through hands-on projects. In addition, they develop the 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.

Prerequisite: None

Game Design I

Game Design I encourages students to use their creative and technical skills as they learn about the many aspects of designing games. The course explores different types of video game software and hardware, various gaming platforms, the technical skills necessary to design games, troubleshooting, internet safety techniques, and the history of gaming. Students also have the opportunity to create their own plan for a 2D video game. The course is designed to help prepare students either for post-secondary education in game design or for an entry level career.

Prerequisite: None

Game Design II

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 gameplay 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.

Prerequisite: Game Design I (or equivalent)



Premier Electives

Gothic Literature

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 writing creates 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.

Prerequisite: None

Great Minds in Science

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.

Prerequisite: None

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.

Prerequisite: None

Health Science I

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

Prerequisite: None

Health Science II

In this course, students learn more about what it takes to be a successful health science professional, including how to communicate with patients. Students explore the rights and responsibilities of both patients and health sciences professionals in patient care, and learn more about how to promote wellness among patients and health care staff. Finally, students learn more about safety in health sciences settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens.

Prerequisite: Health Science I



Premier Electives

History of the Holocaust

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. Students also see glimpses of kindness and humanity in the worst of times.

Prerequisite: None

Hospitality and Tourism

This course introduces the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. 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.

Prerequisite: None

HTML5/CSS3 Programming

This course is designed to teach students to build effective websites using real-world case scenarios. Each tutorial is based on a case problem that leads students through the creation of a website while they master new techniques and complex concepts. The course covers concepts such as page layout, basic graphic design, mobile design, working with tables and columns, designing forms, using multimedia, JavaScript, and exploring arrays, loops, and conditional statements.

Prerequisite: None

International Business

From geography to culture, global business is an exciting topic in the business community today. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in the global marketplace. It takes a global view 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.

Prerequisite: None



Premier Electives

Introduction to Agriscience

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

Prerequisite: None

Introduction to Computer Science

This course provides a solid foundation using an algorithm-driven approach that is ideal for students' first course in Computer Science. Students learn about emerging topics, such as privacy, drones, cloud computing, and net. Students are also introduced to programming languages such as C++, Java, Python, C#, and Ada.

Prerequisite: None

Introduction to Culinary Arts

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 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.

Prerequisite: None

Introduction to Forestry and Natural Resources

In the Introduction to Forestry and Natural Resources course, students learn about forest ecology, management, and conservation. Students explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, students learn about forestry-related careers and important issues facing forestry professionals today.

Prerequisite: None

Introduction to Manufacturing

This course gives students a behind-the-scenes look at the vast industry called manufacturing. In this unit, 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.

Prerequisite: None



Premier Electives

IT and Manufacturing Explorations

This course is designed as an exploration of two career clusters. Students get an introduction to these fields so that they can better assess which pathway to pursue. The first half of the course provides a comprehensive introduction to the essentials of web design, from planning page layouts to publishing a complete site to the web. Students learn how to use HTML to design their own web pages. The course covers basic HTML tags for formatting text as well as more advanced tags. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools. The second half of the course includes an introduction to engineering and to advanced manufacturing.

Prerequisite: None

Java Programming I

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

Prerequisites: Introduction to Computer Science and Programming Logic and Design

Java Programming II

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

Prerequisite: Java Programming I

Law and Order/Legal Studies

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

Prerequisite: None



Premier Electives

Mythology and Folklore

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.

Prerequisite: None

Peer Counseling

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. This course helps prepare students to work as peer counselors. The skills they learn will enhance their ability to communicate effectively in personal and work relationships.

Prerequisite: None

Philosophy

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 understanding of themselves and the world around them—from atoms to outer space—and everything in between.

Prerequisite: None

Programming Logic and Design

This course prepares student programmers for success by teaching them the fundamental principles of developing structured program logic. This course takes a unique, language independent approach to programming, with a distinctive emphasis on modern conventions, and prepares students for all programming situations with introductions to object-oriented concepts, UML diagrams, and databases.

Prerequisite: None



Premier Electives

Python Programming

This course presents essential computer science topics, while also instructing on the Python programming language. Python is easy to learn and scales well to advanced applications. The course is engaging and brings relevance of the concepts and applications from the text to the real world. Hands-on labs teach students to write and run code in an Integrated Development Environment (IDE) from their web browser. A chatbot provides hints and feedback when students get stuck, which encourages persistence through on-demand assistance.

Prerequisite: None

Real World Parenting

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.

Prerequisite: None

Social Problems I

Students 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 the structural level, as well as the individual level, are examined. Students learn more about how social problems affect them personally.

Prerequisite: None

Social Problems II

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.

Prerequisite: None



Premier Electives

Sociology I

The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world, and learn how human relationships can strongly influence and impact 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.

Prerequisite: None

Sociology II

Sociology is the study of people, social life, and society. By developing a “sociological imagination,” students examine how society shapes human action and beliefs—and how in turn these factors reshape society itself. Fascinating online video journeys inform students and motivate them to seek more knowledge on their own.

Prerequisite: Sociology I

Sports and Entertainment Marketing

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

Prerequisite: None



Premier Electives

Veterinary Science

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

Prerequisite: 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.

Prerequisite: None



Career-Focused Electives

A+ Computer Management I

A+ Computer Management Levels I and II provide a comprehensive introduction to managing and maintaining computer hardware and software. The course closely integrates the CompTIA A+ Exam objectives to prepare students for the 220-801 and 220-802 certification exams. Students learn about current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. This course prepares students for success as a professional PC repair technician.

Prerequisite: None

A+ Computer Management II with A+ Certification Preparation

A+ Computer Management Levels I and II provide a comprehensive introduction to managing and maintaining computer hardware and software. The course closely integrates the CompTIA A+ Exam objectives to prepare students for the 220-801 and 220-802 certification exams. Students learn about current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. This course prepares students for success as a professional PC repair technician.

Prerequisite: A+ Computer Management I

Adobe Dreamweaver® with Adobe Certification Preparation

This course helps students master the industry-standard web development software by emphasizing all aspects of Dreamweaver, such as its interface, features, and functionality. The course includes studies to help students hone their skills and appreciate their professional relevance. The course explores cutting-edge web standards and design trends that can serve them well throughout their careers. At the end of this course, students will be prepared for the Adobe Certified Associate certification exam. Adobe Dreamweaver is required for this course. Students and teachers can purchase an educational version of Creative Cloud (which includes Photoshop, Illustrator, InDesign and Dreamweaver) for \$19.99/mo here:

<https://www.adobe.com/creativecloud/buy/students/checkout.html>

Prerequisite: None

Adobe Illustrator® with Adobe Certification Preparation

This course provides students in-depth exploration in all areas of Adobe Illustrator. Beginning with fundamental concepts and progressing to the software's full set of features, this course allows students to build a portfolio by completing projects that explore and express their unique creative talents. At the end of this course, students will be prepared for the Adobe Certified Associate certification exam. Adobe Illustrator is required for this course. Students and teachers can purchase an educational version of Creative Cloud (which includes Photoshop, Illustrator, InDesign and Dreamweaver) for \$19.99/mo here: <https://www.adobe.com/creativecloud/buy/students/checkout.html>

Prerequisite: None



Career-Focused Electives

Adobe InDesign® with Adobe Certification Preparation

This course provides students with an in-depth exploration of Adobe InDesign, the industry standard for page layout software. This course covers fundamental concepts, starting with the workspace, and proceeds logically and intuitively to more advanced topics. Students learn how to work in InDesign using either Mac or PC platforms, and the course includes extensive coverage of Creative Cloud features. At the end of this course, students will be prepared for the Adobe Certified Associate certification exam. Adobe InDesign is required for this course. Students and teachers can purchase an educational version of Creative Cloud (which includes Photoshop, Illustrator, InDesign and Dreamweaver) for \$19.99/mo here:

<https://www.adobe.com/creativecloud/buy/students/checkout.html>

Prerequisite: None

Adobe Photoshop® with Adobe Certification Preparation

This course provides a solid foundation for students to learn cutting edge technology for sophisticated digital editing. Students progress from basic to advanced Photoshop techniques and learn not only the how but also the why behind each Photoshop tool to help students excel at design as well as master the software. At the end of this course, students will be prepared for the Adobe Certified Associate certification exam. Adobe Photoshop is required for this course. Students and teachers can purchase an educational version of Creative Cloud (which includes Photoshop, Illustrator, InDesign and Dreamweaver) for \$19.99/mo here:

<https://www.adobe.com/creativecloud/buy/students/checkout.html>

Prerequisite: None

Dental Assisting I

This course teaches basic and advanced Dental Assisting skills. Students learn about leading dental practices/procedures, equipment, and patient safety standards. Students engage in dental assisting activities such as dental charting, tray setup, radiograph mounting, pathology identification, and taking vital signs.

Prerequisite: None

Dental Assisting II

This is the second semester of the Dental Assisting series. In this course students continue to learn basic and advanced dental assisting skills. Students learn about leading dental practices/procedures, equipment, and patient safety standards. Students engage in dental assisting activities such as dental charting, tray setup, radiograph mounting, pathology identification, and taking vital signs.

Prerequisite: Dental Assisting I



Career-Focused Electives

Dental Assisting III

This is the third semester of the Dental Assisting series. In this course students continue to learn basic and advanced dental assisting skills. Students learn about leading dental practices/procedures, equipment, and patient safety standards. Students engage in dental assisting activities such as dental charting, tray setup, radiograph mounting, pathology identification, and taking vital signs.

Prerequisite: Dental Assisting II

Food Production I

This course explores the foundations of the food industry, from nutrition and chemistry to processing and safety, and delves into some of the most pressing foodborne issues of our day. Discussions of current topics and trends center on genetically engineered foods, environmental concerns and sustainability, food needs of the world, the impacts of food on health, and more.

Prerequisite: None

Food Production II

This is the second semester of Food Production. This course explores the foundations of the food industry, from nutrition and chemistry to processing and safety, and delves into some of the most pressing foodborne issues of our day. Discussions of current topics and trends center on genetically engineered foods, environmental concerns and sustainability, food needs of the world, the impacts of food on health, and more.

Prerequisite: Food Production I

Fundamentals of Manufacturing

In this course, students develop foundational skills in basic mechanisms and robotics, to include: parts identification and applications of robotic arms in manufacturing; CAD (Computer Aided Design with SpectraCAD); CNC (Computer Numerical Control) machining; and foundational employability skills. Free software is included in the course (Windows only).

Prerequisite: None

Introduction to Medical Terminology

This course is designed for the beginning healthcare student and simplifies the process of learning hundreds of complex medical terms. The course helps students understand specialties, pathology, and diagnostic and treatment procedures. The course includes critical thinking exercise scenarios that involve patients and pathology, so students can apply their knowledge to the real world.

Prerequisite: None



Career-Focused Electives

Introduction to Restaurant Management

In Restaurant Management, students learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management prepares students for a steady career, whether they plan to buy a fast food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

Prerequisite: None

Lean Manufacturing and Automation

In this course, students develop an understanding of lean manufacturing, skills in robotics, material handling, and electrical systems, while continuing with projects in CNC milling and turning. The course also includes foundational skills in math for technicians and blueprint reading. Free software is included in the course (Windows only).

Prerequisite: None

Manufacturing Process Development I

Manufacturing Process Development I helps students develop skills in manufacturing processes development through research projects on current trends and applications in the world of manufacturing. Students also develop virtual projects in CAD/CAM/CNC. Students work with flexible manufacturing systems in a virtual environment. Students work with robotics and material handling as an integral element of manufacturing processes. Students also address the foundational skill: Industrial Safety Lock Out Tag Out. Additionally, students develop skills with projects in advanced flexible manufacturing systems with the ER4u robot and CNC machines in a virtual environment, and automated systems with SkillsUSA robotics projects (RAT). Students have research projects in manufacturing methods and applications and prepare for certifications. Free software is included in the course (Windows only).

Prerequisite: None

Manufacturing Product Development

In this course, students explore rapid prototyping, CAM (Computer Aided Manufacturing w/SpectraCAM Turning), and the CAD/CAM process of developing CNC turning programs. Students also begin advanced robotics programming with the ER4u robot; and gain exposure to power tools and math for technicians. Free software is included in the course (Windows only).

Prerequisite: None



Career-Focused Electives

Manufacturing Systems

In this course, students develop skills in automated systems, basic robot programs, CAM (Computer Aided Manufacturing w/SpectraCAM Milling), and the CAD/CAM process of developing CNC milling programs. Students also work with fluid power (pneumatics), as used in manufacturing systems, as well as hand tools. Students are also introduced to QC (quality control) and skills measurement. Free software is included in the course (Windows only).

Prerequisite: None

Medical Assistant I

Medical Assistant Levels I-III help students develop the knowledge base, skills, and behaviors that entry-level medical assistants need to succeed. Students are introduced to anatomy and physiology, diagnostic tests, diseases and disorders, treatments, and nutrition. They also examine personal growth topics such as professionalism, teamwork, and time management. They learn key functions of medical assistants, such as business communications, patient record maintenance, medical insurance and coding, billing, clinical and laboratory procedures, and specialty examinations and procedures.

Prerequisites: Introduction to Medical Terminology, and Anatomy and Physiology (Levels I and II)

Medical Assistant II

Medical Assistant Levels I-III help students develop the knowledge base, skills, and behaviors that entry-level medical assistants need to succeed. Students are introduced to anatomy and physiology, diagnostic tests, diseases and disorders, treatments, and nutrition. They also examine personal growth topics such as professionalism, teamwork, and time management. They learn key functions of medical assistants, such as business communications, patient record maintenance, medical insurance and coding, billing, clinical and laboratory procedures, and specialty examinations and procedures.

Prerequisites: Introduction to Medical Terminology, Anatomy and Physiology (Levels I and II), and Medical Assistant I



Career-Focused Electives

Medical Assistant III with Certified Medical Assistant Certification Preparation



Medical Assistant Levels I-III help students develop the knowledge base, skills, and behaviors that entry-level medical assistants need to succeed. Students are introduced to anatomy and physiology, diagnostic tests, diseases and disorders, treatments, and nutrition. They also examine personal growth topics such as professionalism, teamwork, and time management. They learn key functions of medical assistants, such as business communications, patient record maintenance, medical insurance and coding, billing, clinical and laboratory procedures, and specialty examinations and procedures.

This course includes certification exam preparation as indicated by the course title. The course can be taken without labs and will prepare students for the written portion of the exam. Course labs require access to a clinical setting to complete hands-on activities (materials and instruction not provided by Fuel Education). Video tutorials are included in the course labs to provide exposure to skills in addition to hands-on practice. Schools adopting the Career Readiness Pathways will want to establish local solutions for providing students with access to equipment, lab settings and internships, as needed. Practical hour and skill requirements for certifications vary by state; Fuel Education does not provide arrangements for students to complete hands-on requirements.

Prerequisites: Introduction to Medical Terminology, Anatomy and Physiology (Levels I and II), and Medical Assistant II

Microsoft Access® with Certification Preparation

Using a project-based approach, students are introduced to Microsoft® Access®. This course walks students through basic to advanced features by experimenting with database creation. Types of activities include: creating databases, creating a query, creating a form, creating tables, creating reports, and creating macros. Students work through these hands-on projects to master skills in commonly used database design processes.

Microsoft Office is required for this course. There are two course version options: Microsoft Office 2013 or Microsoft Office 2016/365. If a client already has Microsoft Office 2013 they can use the 2013, course versions that require the Microsoft Office 2013 software. Otherwise, they should use 2016/365. Students can get an educational version for free at this link as long as they use a valid school email address:

<https://products.office.com/en-us/student/office-in-education>

Prerequisite: None



Career-Focused Electives

Microsoft Excel® with Certification Preparation

Using a project-based approach, students are introduced to Microsoft® Excel®. This course walks students through basic to advanced features by experimenting with spreadsheet creation. Types of activities include: creating worksheets, charts, formulas, functions, what-if analysis, and financial functions. Students work through these hands-on projects to master skills in commonly used features of spreadsheets.

Microsoft Office is required for this course. There are two course version options: Microsoft Office 2013 or Microsoft Office 2016/365. If a client already has Microsoft Office 2013, they can use the 2013 course versions that require the Microsoft Office 2013 software. Otherwise, they should use 2016/365. Students can get an educational version for free at this link as long as they use a valid school email address:

<https://products.office.com/en-us/student/office-in-education>

Prerequisite: None

Microsoft PowerPoint® with Certification Preparation

Using a project-based approach, students are introduced to Microsoft® PowerPoint®. This course walks students through basic to advanced features by experimenting with presentation creation. Types of activities include creating presentations that have text, images, sound, animation, and transition. Students work through these hands-on projects to master skills commonly used in presentation software.

Microsoft Office is required for this course. There are two course version options: Microsoft Office 2013 or Microsoft Office 2016/365. If a client already has Microsoft Office 2013, they can use the 2013 course versions that require the Microsoft Office 2013 software. Otherwise, they should use 2016/365. Students can get an educational version for free at this link as long as they use a valid school email address:

<https://products.office.com/en-us/student/office-in-education>

Prerequisite: None



Career-Focused Electives

Microsoft Word® with Certification Preparation

Using a project-based approach, students are introduced to Microsoft® Word®. This course walks students through basic to advanced features by experimenting with document creation. Forms of documents created include research papers, business letters, resumes, form letters, and mailing labels. Students work through these hands-on projects to hone skills in formatting, page layout, macro creation, and a vast variety of commonly used word processing tools.

Microsoft Office is required for this course. There are two course version options: Microsoft Office 2013 or Microsoft Office 2016/365. If a client already has Microsoft Office 2013, they can use the 2013 course versions that require the Microsoft Office 2013 software. Otherwise, they should use 2016/365. Students can get an educational version for free at this link as long as they use a valid school email address:

<https://products.office.com/en-us/student/office-in-education>

Prerequisite: None

Modern Livestock & Poultry Production I

This course covers basic animal science and livestock industry information as well as current issues in animal agriculture. The course includes information students should know about livestock and poultry animals for classroom study and beyond. The course is designed to provide students with a solid understanding of the anatomy, physiology, nutrition, feeding, and reproduction of multiple livestock and poultry breeds.

Prerequisite: None

Modern Livestock & Poultry Production II

This is the second semester of Livestock and Poultry Production. This course covers basic animal science and livestock industry information as well as current issues in animal agriculture. The course includes information students should know about livestock and poultry animals for classroom study and beyond. The course is designed to provide students with a solid understanding of the anatomy, physiology, nutrition, feeding, and reproduction of multiple livestock and poultry breeds.

Prerequisite: Modern Livestock & Poultry Production I



Career-Focused Electives

Network+ Guide to Networks I

Network+ Guide to Networks Levels I and II give students the technical skills and industry know-how to begin an exciting career installing, configuring, and troubleshooting computer networks. The course prepares students for success on CompTIA's Network+ N10-006 certification exam. Students explore on-the-job stories, application activities, and hands-on projects to develop real-world problem solving skills.

Prerequisite: A+ Computer Management I

Network+ Guide to Networks II with Network+ Certification Preparation

Network+ Guide to Networks Levels I and II give students the technical skills and industry know-how to begin an exciting career installing, configuring, and troubleshooting computer networks. The course prepares students for success on CompTIA's Network+ N10-006 certification exam. Students explore on-the-job stories, application activities, and hands-on projects to develop real-world problem solving skills.

Prerequisite: A+ Computer Management I and Network+ Guide to Networks I

Nursing Assistant I

Nursing Assistant Levels I-III are designed to prepare students for meaningful careers in acute care, long-term care, and home health. Students learn more than 150 procedures, including key skills in patient handling and transfers, wound care, communication, safety, and record keeping. Students also learn about infection control, safety, culture, working with difficult patients, OSHA, communication, age appropriate care, and legal considerations.

Prerequisites: Introduction to Medical Terminology, and Anatomy and Physiology (Levels I and II)

Nursing Assistant II

Nursing Assistant Levels I-III are designed to prepare students for meaningful careers in acute care, long-term care, and home health. Students learn more than 150 procedures, including key skills in patient handling and transfers, wound care, communication, safety, and record keeping. Students also learn about infection control, safety, culture, working with difficult patients, OSHA, communication, age appropriate care, and legal considerations.

Prerequisites: Introduction to Medical Terminology, Anatomy and Physiology (Levels I and II), and Nursing Assistant I



Career-Focused Electives

Nursing Assistant III with Certified Nursing Assistant Certification Preparation



Nursing Assistant Levels I-III are designed to prepare students for meaningful careers in acute care, long-term care, and home health. Students learn more than 150 procedures, including key skills in patient handling and transfers, wound care, communication, safety, and record keeping. Students also learn about infection control, safety, culture, working with difficult patients, OSHA, communication, age appropriate care, and legal considerations.

This Level III course includes certification exam preparation as indicated by the course title. The course can be taken without labs and will prepare students for the written portion of the exams. Course labs require access to a clinical setting to complete hands-on activities (materials and instruction not provided by Fuel Education). Video tutorials are included in the course labs to provide exposure to skills in addition to hands-on practice. Schools adopting the Career Readiness Pathways will want to establish local solutions for providing students with access to equipment, lab settings and internships, as needed. Practical hour and skill requirements for certifications vary by state; Fuel Education does not provide arrangements for students to complete hands-on requirements.

Prerequisites: Introduction to Medical Terminology, Anatomy and Physiology (Levels I and II), and Nursing Assistant II

Pharmacy Technician I

Pharmacy Technician Levels I, II, and III provide students with knowledge and skills required for working with a licensed pharmacist in a variety of clinical and retail settings. Students learn medical and pharmaceutical terminology, pharmaceutical calculations, pharmaceutical techniques, sterile compounding, pharmacy recordkeeping, and pharmacy law and ethics. The course creates awareness of common errors and provides students with opportunities to fine-tune critical thinking and problem-solving skills.

Prerequisites: Introduction to Medical Terminology, and Anatomy and Physiology (Levels I and II)



Career-Focused Electives

Pharmacy Technician II with Pharmacy Technician Certification Preparation



Pharmacy Technician Levels I, II, and III provide students with knowledge and skills required for working with a licensed pharmacist in a variety of clinical and retail settings. Students learn medical and pharmaceutical terminology, pharmaceutical calculations, pharmaceutical techniques, sterile compounding, pharmacy recordkeeping, and pharmacy law and ethics. The course creates awareness of common errors and provides students with opportunities to fine-tune critical thinking and problem-solving skills.

Prerequisites: Introduction to Medical Terminology, Anatomy and Physiology (Levels I and II), and Pharmacy Technician I

Pharmacy Technician III with Pharmacy Technician Certification Preparation



Pharmacy Technician Levels I, II, and III provide students with knowledge and skills required for working with a licensed pharmacist in a variety of clinical and retail settings. Students learn medical and pharmaceutical terminology, pharmaceutical calculations, pharmaceutical techniques, sterile compounding, pharmacy recordkeeping, and pharmacy law and ethics. The course creates awareness of common errors and provides students with opportunities to fine-tune critical thinking and problem-solving skills.

Prerequisites: Introduction to Medical Terminology, Anatomy and Physiology (Levels I and II), and Pharmacy Technician II

Precision Machining Technology

This course provides an introduction to today's machine tool industry. Students develop a solid understanding of fundamental and intermediate machining skills. The course provides an emphasis on safety throughout and offers thorough coverage of topics such as the basics of hand tools, job planning, benchwork, layout operations, drill press, milling and grinding process, and CNC. In addition, the course is aligned with the National Institute of Metalworking Skills (NIMS) Machining Level 1 Standard.

Prerequisite: None



Career-Focused Electives

Precision Machining Technology 2

This is the second semester of Precision Machining Technology. Students pick up where they left off in their introduction to today's machine tool industry. Students develop a solid understanding of fundamental and intermediate machining skills. The course provides an emphasis on safety throughout and offers thorough coverage of topics such as the basics of hand tools, job planning, bench work, layout operations, drill press, milling and grinding process, and CNC. In addition, the course is aligned with the National Institute of Metalworking Skills (NIMS) Machining Level 1 Standard.

Prerequisite: Precision Machining Technology

Principles of Agriculture, Food, and Natural Resources

This course teaches students about the steps food takes from the farm to the table. Students learn about the history of agriculture through animal husbandry, plant science, and managing our use of natural resources. The course provides students with a broad understanding of the subject matter while preparing them for hands-on learning to participate in Future Farmers of America and supervised agricultural experiences.

Prerequisite: None

Security+ I

This course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography, mobile device security, and virtualization. The use of case studies allows students to explore real-world security scenarios and apply what they have learned.

Prerequisites: A+ Computer Management I and Network+ Guide to Networks I

Security+ II with Security+ Certification Preparation

This course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography, mobile device security, and virtualization. The use of case studies allows students to explore real-world security scenarios and apply what they have learned.

Prerequisites: A+ Computer Management I, Network+ Guide to Networks I, and Security+ I



Career-Focused Electives

Sports Medicine I

This course introduces students to essential skills in sports medicine including fitness assessment, conditioning, emergency preparedness, injury management, therapeutic modalities, nutrition, and ethical and legal considerations. Students explore careers in fitness instruction, athletic training, exercise physiology, sports management, and physical therapy.

Prerequisite: None

Sports Medicine II

This is the second semester of Sports Medicine. In this course, students continue their study of essential skills in sports medicine including fitness assessment, conditioning, emergency preparedness, injury management, therapeutic modalities, nutrition, and ethical and legal considerations. Students explore careers in fitness instruction, athletic training, exercise physiology, sports management, and physical therapy.

Prerequisite: Sports Medicine I

Wildlife and Natural Resource Management I

This course explores wildlife, fisheries, and natural resource management in today's world. The course provides students with the history and administration of natural resources, as well as broader concepts that impact everyone, including conservation, endangered species, and human impacts on wildlife. Students also focus their study on how to identify species, including wild animals in their habitats. Finally, the course helps students view their role in the future and how a better understanding of the natural world can prepare them for success.

Prerequisite: None

Wildlife and Natural Resource Management II

This is the second semester of Wildlife and Natural Resource Management. This course explores wildlife, fisheries, and natural resource management in today's world. The course provides students with the history and administration of natural resources, as well as broader concepts that impact everyone, including conservation, endangered species, and human impacts on wildlife. Students also study how to identify species, including wild animals in their habitats. Finally, the course helps students view their role in the future and how a better understanding of the natural world can prepare them for success.

Prerequisite: Wildlife and Natural Resource Management I



Credit Recovery—English

American Literature

Students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature. They review effective strategies for written expression. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics. Diagnostic tests assess students' current knowledge and generate individualized study plans so students can focus on topics that need review.

Available on Online School platform only.

British and World Literature

This course engages students in selections from British and world literature from the ancient world through modern times. They practice analytical writing and have opportunities for creative expression. Students also practice critical reading and writing test-taking skills. Diagnostic tests assess students' current knowledge and generate individualized study plans so students can focus on topics that need review.

Available on Online School platform only.

English 9

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. Students also learn about the formal writing process as they write a literary analysis essay.

English 10

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. Students also learn about the formal writing process as they write a literary analysis essay.



Credit Recovery—English

English III (Grade 11) +

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.

Available on PEAK platform only.

English IV (Grade 12) +

English IV Credit Recovery is a condensed version of the English IV Foundations course. Its format and length make it a 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.

Available on PEAK platform only.



Credit Recovery—Math

Algebra 1

The Algebra 1 Credit Recovery course 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.

Algebra 2

The Algebra 2 Credit Recovery course 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.

Geometry

The Geometry Credit Recovery course 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 this course, 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.

Available on PEAK platform only.

Biology +

Topics include the scientific method, characteristics of living things, energy, organic compounds, and water. Students review the structure and function of living things, the cell, genetics, DNA, RNA, and proteins. They review evolution and natural selection; digestive, respiratory, nervous, reproductive, and muscular systems; and ecology and the environment. Diagnostic tests assess students' current knowledge and generate individualized study plans so students can focus on topics that need review.

Available on Online School platform only.

Chemistry +

In this course, students investigate chemical concepts in the physical world: atomic structure, the periodic table, chemical reactions, solubility, states of matter, and nuclear chemistry. 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.

Available on PEAK platform only.

Chemistry +

Students review concepts of matter, energy, the metric system, and the scientific method. Other topics include the atom; the periodic table; ionic and covalent bonds; chemical reactions; stoichiometry; gases, liquids, and solids; solutions; and acids and bases. Students review chemical thermodynamics; reaction rates and system equilibria; electrochemical processes; organic chemistry and biochemistry; and nuclear chemistry. Diagnostic tests assess students' current knowledge and generate individualized study plans so students can focus on topics that need review.

Available on Online School platform only.



Credit Recovery—Science

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.

Available on PEAK platform only.

Earth Science

This course provides students with a solid earth science curriculum. Students learn how the earth works, how it changes, and its place in the universe. They become familiar with the terminology, concepts, and practical applications of earth science and explore topics in geology, meteorology, oceanography, astronomy, and scientific methods. Diagnostic tests assess students' current knowledge and generate individualized study plan so students can focus on topics that need review.

Available on Online School platform only.

Physical Science

In this course, 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.

Available on PEAK platform only.

Physical Science

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. They review strategies for describing and measuring scientific concepts. Diagnostic tests assess students' current knowledge and generate individualized study plans so students can focus on topics that need review.

Available on Online School platform only.



Credit Recovery—History and Social Sciences

American Government

This one-semester 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 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 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.



Credit Recovery—History and Social Sciences

Geography

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.

Modern U.S. History

Students review American history from the industrial revolution of the late 19th century to recent events. They review how the American system of government works under the United States Constitution; federalism; settlement of the Great American West; issues of immigration and urban life; and the hopes, demands, and challenges African Americans and women have faced as they sought equality. Other topics include the world wars; the American Dream; the Civil Rights movement; Vietnam; Watergate; Reaganomics; the collapse of the Soviet Union; immigration trends; the Clinton years; and the new millennium. Diagnostic tests assess students' current knowledge and generate individualized study plans so students can focus on topics that need review.

Available on Online School platform only.

Modern World Studies

Students review the history of the world from approximately 1870 to the present. The course begins with a look back at events leading up to 1914, including the Second Industrial Revolution and imperialism. Their focus then shifts to the contemporary era, including the world wars, the Great Depression, and global Cold War tensions. Students also explore topics in physical and human geography, and investigate issues of concern in the contemporary world. Diagnostic tests assess students' current knowledge and generate individualized study plans so students can focus on topics that need review.

Available on Online School platform only.



Credit Recovery—History and Social Sciences

U.S. History

Students review the rise of European nations and the Age of Exploration; the founding of the American colonies; the American Revolution; and the Declaration of Independence, the Articles of Confederation, and the Constitution. Other topics include the Civil War, migration across the Great Plains, immigration to American shores, and the rise of new ways of manufacturing. Students review the early years of the modern age, the rise of modern cities, and our modern political system; the world wars; the Depression and the New Deal; the Cold War; Vietnam; the opposing ideologies of conservatives and liberals; September 11, 2001; and the resultant changes in American world and domestic policies. Diagnostic tests assess students' current knowledge and generate individualized study plans, so students can focus on topics that need review.

Available on Online School platform only.

World History

World History 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

Spanish I

This credit recovery course provides students with instruction in the basics of learning the language of Spanish. Content includes topics such as greetings, time, dates, colors, clothing, numbers, weather, family, houses, sports, food and drink, and school. The course also introduces basic and stem-changing verbs and their formation and use in the present tense. Students also learn about interrogatives, question formation, and adjectives and their form and use—in addition to possessives, prepositions, and other grammatical structures. Finally, students become acquainted with the Spanish-speaking countries of the world and their cultures, and learn practical information such as restaurant vocabulary and expressions of invitation.



Credit Recovery—Electives

Health

This one-semester credit recovery course provides students with information that will help them live a more healthy and productive life. The emphasis is on making healthy personal decisions and getting the information needed to make those choices. The course addresses both mental and physical health. Students learn about nutrition, including food guidelines and types of food; eating disorders are also covered. Students learn about first aid and CPR, substance abuse, and human sexuality. The course also covers consumer health resources, including government resources, nonprofit resources, and health insurance. Students learn how technology is influencing healthcare, and they examine the benefits of frequent physical exercise.

Physical Education

Through this one-semester credit recovery course, students learn a wide variety of fitness concepts that they will be able to use in their everyday life. The course addresses the fundamentals of physical fitness, including goal setting and target heart rate. Students learn about how their body works by studying static and dynamic balance, linear and rotary motion, anatomy, and biomechanics. They are introduced to a variety of lifetime activities, including tennis, golf, Frisbee, and orienteering. They also learn about activities to promote cardiorespiratory fitness, including kickboxing, hip hop dance, fitness walking, and cycling. Pilates, yoga, and breathing exercises that help promote physical and emotional wellness are addressed as well.

Middle School Course List / 2018–2019

English/Language Arts

- Grade 6 Language Arts 
- Grade 7 Language Arts 
- Grade 8 Language Arts 

Math

- Math 6 (Summit Curriculum)  
- Math 7 (Summit Curriculum)  
- Math 8 (Summit Curriculum)  

Science

- Earth Science 
- Life Science 
- Physical Science 

History And Social Studies

- American History Since 1865 
- Social Studies 6
- Social Studies 7 
- Social Studies 8
- World History I  
- World History II

World Languages

- Chinese 1 (MIL) 
- Chinese 2 (MIL) 
- French 1 (MIL) 
- French 2 (MIL) 
- German 1 (MIL) 
- German 2 (MIL) 
- Latin 1 
- Latin 2 
- Spanish 1 (MIL) 
- Spanish 2 (MIL) 

Standard Electives

- Art 6 
- Art 7 
- Art 8 
- Career Explorations 
- Family and Consumer Science 
- Health 6
- Health 7
- Health 8
- Intermediate American Art II  
- Intermediate World Art I  
- Intermediate World Art II  
- Introduction to Online Learning 
- Journalism 
- Music 6 
- Music 7 
- Music 8 
- Photography 
- Physical Education 6  
- Physical Education 7  
- Physical Education 8  
- Spotlight on Music Grade 6
- Spotlight on Music Grade 7
- Spotlight on Music Grade 8



English/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.

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.

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 navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary. Setting goals, self-monitoring progress, and reflecting on successes and challenges help students become metacognitive learners. The course includes discussion activities that engage students in the curriculum while creating a sense of community.



Math

Math 6 (Summit Curriculum)

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.

Math 7 (Summit Curriculum)

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.

Math 8 (Summit Curriculum)

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.



MIDDLE SCHOOL COURSE LIST

Science

Earth Science

The Earth Science curriculum builds on the natural curiosity of students. By connecting them to the beauty of geological history, the diverse landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, the curriculum gives students an opportunity to relate to their everyday world. 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.

Life Science

The Life Science curriculum 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 our planet's numerous—and wondrous—organisms, the complex workings of the cell, the relationship between living things and their environments, and discoveries in the world of modern genetics. Practical lesson activities help students discover how scientists investigate the living world. Students perform laboratory activities and a full-unit investigation to learn about the application of scientific methods.

Physical Science

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



MIDDLE SCHOOL COURSE LIST

History and Social Sciences

American History Since 1865 □

The second half of a detailed two-year survey of the history of the United States, this course takes students from the westward movement of the late 1800s to the present. Lessons integrate topics in geography, civics, and economics. The course guides students through critical episodes in the story of America. Students examine the impact of the settlement of the American West; investigate the social, political, and economic changes that resulted from industrialization; explore the changing role of the U.S. in international affairs from the late nineteenth century through the end of the Cold War; and trace major events and trends in the United States from the Cold War through the first decade of the 21st century.

Available on Online School platform only.

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.

Available on PEAK platform only.

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.

Available on PEAK platform only.



History and Social Sciences

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.

Available on PEAK platform only.

World History I

In this first part of a survey of world history from prehistoric to modern times, online lessons and assessments complement *The Human Odyssey*. This course focuses on the development of civilization across a 12,000-year span: from the Ice Age to the Middle Ages, from cave paintings to stained glass windows, from crude huts to Gothic cathedrals. The course introduces geography concepts and skills as they appear in the context of the historical narrative.

Available on Online School platform only.

World History II

Continuing a survey of world history from prehistoric to modern times, K12 online lessons and assessments complement the second volume of *The Human Odyssey*. This course focuses on the story of the past, from the fifteenth century to 1914 and the beginning of World War I. The course is organized chronologically and, within broad eras, regionally. Lessons explore developments in religion, philosophy, the arts, and science and technology. The course introduces geography concepts and skills as they appear in the context of the historical narrative.

Available on Online School platform only.



World Languages

Chinese 1 (MIL)

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 cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course, and specific character practices help students learn characters. 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.

Chinese 2 (MIL)

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 that 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 help students learn characters. 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.

Prerequisite: Middle school Chinese I (or equivalent)



World Languages

French 1 (MIL)

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

French 2 (MIL)

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

Prerequisite: Middle school French I (or equivalent)



World Languages

German 1 (MIL) □

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

German 2 (MIL) □

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

Prerequisite: Middle school German I (or equivalent)



World Languages

Latin 1

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. 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.

Latin 2

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 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. 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.

Prerequisite: Middle school Latin I (or equivalent)



World Languages

Spanish 1 (MIL) □

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

Spanish 2 (MIL) □

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

Prerequisite: Middle school Spanish I (or equivalent)



Electives

Art 6 ^{1/2}

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.

Available on PEAK platform only.

Art 7 ^{1/2}

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.

Available on PEAK platform only.

Art 8 ^{1/2}

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.

Available on PEAK platform only.



Electives

Career Explorations $\frac{1}{2}$

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.

Family and Consumer Science $\frac{1}{2}$

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.

Available on PEAK platform only.

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.

Available on PEAK platform only.

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 mechanisms. The course concludes with a unit on decision making and life skills for healthy living.

Available on PEAK platform only.



Electives

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.

Available on PEAK platform only.

Intermediate American Art II

Intermediate American Art II lessons include an introduction to the artists, cultures, and great works of American art and architecture from the end of the Civil War through modern times. Students investigate paintings done in various styles, from impressionist to pop; learn about modern sculpture and folk art; discover how photographers and painters have inspired one another; examine examples of modern architecture, from skyscrapers to art museums; and create artworks inspired by works they learn about.

Available on Online School platform only.

Intermediate World Art I

Intermediate World Art I lessons include an introduction to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students investigate how artists from different civilizations used various techniques, from painting to mosaic; examine elements of design and styles of decoration, from the spiral to the solar disk; and explore some of the best-preserved works from ancient tombs, including the treasures of Egypt's King Tut.

Available on Online School platform only.

Intermediate World Art II

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

Available on Online School platform only.



Electives

Introduction to Online Learning ^{1/2}

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

Available on Online School platform only.

Journalism ^{1/2}

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.

Music 6 ^{1/2}

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.

Available on PEAK platform only.

Music 7 ^{1/2}

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.

Available on PEAK platform only.



Electives

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.

Available on PEAK platform only.

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.

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.



Electives

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.

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.

Spotlight on Music Grade 6

Get ready to travel the world through music as students explore and build foundational music skills with Spotlight on Music. This hands-on music course offers a variety of learning activities that include singing, dancing, virtual instruments, playing the recorder, listening maps, authentic sound recordings with famous past and present artists, and an iSong player that allows students to customize key signatures, tempo, and lyrical highlighting. Six units in the course are organized into three sections: Spotlight on Concepts, Spotlight on Music Reading, and Spotlight on Celebrations. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context, while exploring music from all over the world. Students also learn to read music and explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background. Students apply the music skills they are learning while performing seasonal and celebratory songs.

Available on Online School platform only.



Electives

Spotlight on Music Grade 7

Students become musicians as they explore and build foundational music skills with Spotlight on Music. This course encourages students to discover their musical potential through diverse learning activities that include singing, dancing, virtual instruments, playing the recorder, optional guitar lessons, listening maps, authentic sound recordings with famous past and present artists, and an iSong player that allows students to customize key signatures, tempo, and lyrical highlighting. The course is organized into nine units. Students study the musical elements of duration, pitch, design, tone color, expressive qualities, and cultural context. Students are introduced to music from all over the world as they explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background, and learn to actively read and write music.

Available on Online School platform only.

Spotlight on Music Grade 8

Students become musicians as they explore and build foundational music skills with Spotlight on Music. This course encourages students to discover their musical potential through diverse learning activities that include singing, dancing, virtual instruments, playing the recorder, optional guitar lessons, listening maps, authentic sound recordings with famous past and present artists, and an iSong player that allows students to customize key signatures, tempo, and lyrical highlighting. The course is organized into nine units. Students study the musical elements of duration, pitch, design, tone color, expressive qualities, and cultural context. Students are introduced to music from all over the world as they explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background, and learn to actively read and write music.

Available on Online School platform only.