

DIGITAL CURRICULUM COURSE DESCRIPTIONS



We help educators spark student success through digital learning. More than 2,000 schools and districts have chosen K12 Learning Solutions to help them tap into the best of today's vast array of digital educational resources, tailor solutions for a variety of learning environments, and personalize learning to drive stronger student and district outcomes.

With more than 325 digital courses for grades K–12, our expansive course catalog allows you to meet each student at his or her point of need—from those who are struggling, or at risk of dropping out or not graduating on time, to those seeking greater academic challenges or enrichment in their learning.

Whether your students are looking to launch a career right after graduation or pursue postsecondary studies, our digital curriculum will give them more options and help them ignite a passion for learning, earn valuable training and certifications, and jump-start their futures.

Give us a call at 844.638.3533 to discuss your district's specific needs.



Table of Contents / 2020–2021

☒ HIGH SCHOOL COURSE LIST	2
High School Course Level Definitions	8
English.....	9
Math.....	13
Science	21
History and Social Sciences	25
World Languages.....	32
Orientation.....	40
Standard Electives.....	41
Premier Electives	47
Career-Focused Electives	56
Credit Recovery—English	74
Credit Recovery—Math	75
Credit Recovery—Science.....	77
Credit Recovery—History and Social Sciences.....	78
Credit Recovery—World Languages.....	80
Credit Recovery—Electives.....	81
☒ MIDDLE SCHOOL COURSE LIST	82
English/Language Arts	83
Math.....	84
Science	85
History and Social Sciences	86
World Languages.....	88
Electives	93
☒ ELEMENTARY SCHOOL COURSE LIST	98
English/Language Arts	100
Math.....	105
Science	108
History and Social Sciences	110
World Languages.....	112
Electives	115

High School Course List / 2020–2021



MATERIALS KEY

In addition to common household items, other materials may be required for this course such as:

- 1 Printed items (book, workbook, etc.)
- 2 Downloadable software
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- 4 Art, music, or sewing supplies
- 5 Science lab materials (if using hands-on labs rather than virtual labs)
- 6 Geometry tools

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ENGLISH



American Literature 1 2
American Literature Honors 1 2
AP® English Language and Composition
AP® English Literature and Composition
British and World Literature 1 2
British and World Literature Honors 1 2
Creative Writing 2
English 9 1 2
English 9 Honors 1 2
English 10 1 2
English 10 Honors 1 2
English Foundations I
English Foundations II
Grammar and Composition 2
Journalism 1 3
Public Speaking 1 2 2

MATH



Algebra 1 2
Algebra 1 Bridge
Algebra 1 Honors 2
Algebra 2 2
Algebra 2 Bridge NEW
Algebra 2 Honors 2
AP® Calculus AB OLS only
AP® Statistics OLS only
Calculus 2
Consumer Math 2
Continuing Algebra 2
Developmental Algebra 2
Geometry 6 2
Geometry Bridge 6
Geometry Honors 6 2
Integrated Math I 6 2
Integrated Math II 2
Integrated Math III 2
Math Foundations I 2
Math Foundations II 2
Practical Math 2
Pre-Algebra
Pre-Calculus and Trigonometry 6 2
Probability and Statistics 1 2

High School Course List / 2020–2021



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SCIENCE
AP [®] Biology 5
AP [®] Chemistry 1 OLS only
AP [®] Environmental Science
Biology 3
Biology Honors 3
Chemistry 3
Chemistry Honors 3
Earth Science 3
Earth Science Honors 3
Environmental Science 3 4
Forensic Science 4
Physical Science 3
Physics 3
Physics Honors 3

HISTORY and SOCIAL SCIENCES
Anthropology 4
AP [®] Art History
AP [®] Macroeconomics 4
AP [®] Microeconomics 4
AP [®] Psychology 4
AP [®] U.S. Government and Politics 4
AP [®] U.S. History 1 OLS only
AP [®] World History
Civics 4 3
Contemporary World Issues 3
Economics 4 3
Geography 3
Modern U.S. History 3
Modern U.S. History Honors 3
Modern World Studies 3
Modern World Studies Honors 3
Psychology 4
U.S. and Global Economics 4 3
U.S. Government and Politics 4 3
U.S. History 3
U.S. History Honors 3
World History 3
World History Honors 3

High School Course List / 2020–2021



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WORLD LANGUAGES
American Sign Language NEW
AP® French Language and Culture
AP® Spanish Language and Culture
Chinese I (Competency)
Chinese I (Fluency) PEAK only
Chinese II (Competency)
Chinese II (Fluency) PEAK only
French I (Competency)
French I (Fluency) PEAK only
French II (Competency)
French II (Fluency) PEAK only
French III (Competency)
German I (Competency)
German II (Competency)
Latin I
Latin II
Spanish I (Competency)
Spanish I (Fluency) PEAK only
Spanish II (Competency)
Spanish II (Fluency) PEAK only
Spanish III (Competency)

ORIENTATION
Finding Your Path I (not for credit) OLS only
Finding Your Path II (not for credit) OLS only
Finding Your Path III (not for credit) OLS only
Finding Your Path IV (not for credit) OLS only

STANDARD ELECTIVES
Accounting 1 ●
Accounting 2 ●
Achieving Your Career and College Goals ●
Art Appreciation ● ●
Computer Literacy ●
Digital Arts I ● 2
Digital Arts II ● 2
Entrepreneurship 1 ●
Entrepreneurship 2 ●
Family and Consumer Science ●
Fine Art 4 ●
Green Design and Technology ●
Image Design and Editing ●
Introduction to Online Learning (not for credit) OLS only
Life Skills ● ●
Marketing 1 ●
Marketing 2 ●
Music Appreciation 2 ●
Nutrition and Wellness ● ●
Personal Finance ● ●
Personal Fitness I ● 1 ●
Personal Fitness II ● 1 ●
Personal Health ● 1 ●
Physical Education ●
Reaching Your Academic Potential ● NEW
Skills for Health ● ●
Web Design ● 2

High School Course List / 2020–2021



MATERIALS KEY

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PREMIER ELECTIVES



2D Animation 1	Hospitality and Tourism 1
3D Modeling 1	HTML5/CSS3 Programming 1 2
Advertising and Sales Promotion 1	International Business 1
Agriscience II 1 5	Introduction to Agriscience 1
Anatomy and Physiology 1A 1	Introduction to Computer Science 1
Anatomy and Physiology 1B 1	Introduction to Culinary Arts 1
Archaeology 1	Introduction to Forestry and Natural Resources 1
Art in World Cultures 1 4	Java Programming I 1 2
Astronomy 1	Java Programming II 1 2
C++ Programming 1	Law and Order/Legal Studies 1
Careers in Criminal Justice 1	Mythology and Folklore 1
Criminology 1	Principles of Public Service: To Serve and Protect 1
Digital Photography I 1 3	Programming Logic and Design 1
Digital Photography II 1 3	Python Programming 1 2
Early Childhood Education 1	Sociology I 1
Fashion and Interior Design 1 4	Sociology II 1
Game Design I 1 2	Sports and Entertainment Marketing 1
Game Design II 1 2	Veterinary Science 1
Gothic Literature 1	
Health Science I 1	
Health Science II 1	

High School Course List / 2020–2021



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CAREER-FOCUSED ELECTIVES



A+ Computer Management I	Food Production I
A+ Computer Management II with Certification Prep	Food Production II
Administrative Professional	Fundamentals of Manufacturing
Adobe Dreamweaver® with Adobe Certification Preparation	Healthcare Explorations
Adobe Illustrator® with Adobe Certification Preparation	Introduction to Mechanical Engineering
Adobe InDesign® with Adobe Certification Preparation	Introduction to Restaurant Management
Adobe Photoshop® with Adobe Certification Preparation	Introduction to Teaching
Agricultural Mechanics 1	IT and Manufacturing Explorations
Agricultural Mechanics 2	IT Explorations
Agricultural Mechanics 3	Lean Manufacturing and Automation
Business and IT Explorations	Manufacturing Process Development I
Business and Marketing Explorations	Manufacturing Product Development
Business Communication	Medical Assistant I
Business Information Management I	Medical Assistant II
Business Information Management II	Medical Assistant III with Certified Medical Assistant Certification Preparation
Career Planning	Medical Coding I
Consumer Behavior	Medical Coding II
Dental Assisting I	Medical Terminology I
Dental Assisting II	Medical Transcription I
Dental Assisting III	Medical Transcription II
Engineering Drawing and Design I	Microsoft Access® with Certification Preparation 2016
Engineering Drawing and Design II	Microsoft Excel® with Certification Preparation 2016
Engineering Explorations	Microsoft PowerPoint® with Certification Preparation 2016
Engineering Fundamentals I	Microsoft Word® with Certification Preparation 2016
Engineering Fundamentals II	Modern Livestock & Poultry Production I
Essentials of Health Information Management	Modern Livestock & Poultry Production II
	Modern Livestock & Poultry Production III

High School Course List / 2020–2021



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CAREER-FOCUSED ELECTIVES (Continued)



Network + Guide to Networks I	1
Network + Guide to Networks II with Network+ Certification Preparation	1
Nursing Assistant I	1
Nursing Assistant II	1
Nursing Assistant III with Certified Nursing Assistant Certification Preparation	1
Personal Financial Literacy	1
Pharmacy Technician I	1
Pharmacy Technician II with Pharmacy Technician Certification Preparation	1
Pharmacy Technician III with Pharmacy Technician Certification Preparation	1
Principles of Agriculture, Food, and Natural Resources	1
Principles of Business I	1
Principles of Business II	1
Security+ I	1
Security+ II with Security+ Certification Preparation	1
Sports Medicine I	1
Sports Medicine II	1
Understanding Child Development	1
Wildlife and Natural Resource Management I	1
Wildlife and Natural Resource Management II	1

Credit Recovery ENGLISH



American Literature	1
British and World Literature	1
English 9	1
English 10	1

Credit Recovery MATH



Algebra 1	1
Algebra 2	1
Geometry	6
Integrated Math I	6
Integrated Math II	1
Integrated Math III	1

Credit Recovery SCIENCE



Biology	1
Chemistry	1
Earth Science	1
Physical Science	1

Credit Recovery HISTORY and SOCIAL STUDIES



American Government	1
Economics	1
Geography	1
Modern U.S. History	1
Modern World Studies	1
U.S. History	1
World History	1

Credit Recovery WORLD LANGUAGES



Spanish	1
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Credit Recovery ELECTIVES



Health	1
Physical Education	1

High School Course Level Definitions

Honors

K12 Honors courses hold students to a higher 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®

AP® courses are college-level courses that follow the curriculum specified by the College Board. These courses—designed to prepare students for success on AP® exams—provide 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.

Credit Recovery

K12 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.

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. They apply 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 0.5

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

Materials required: Printed items (book, workbook, etc.)

Prerequisite: English 10 (or equivalent)

American Literature Honors 0.5

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

Materials required: Printed items (book, workbook, etc.)

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

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

Prerequisites: English 10 Honors (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 particular emphasis on reading comprehension, structural and critical analyses of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP[®] exam and further study in communications, creative writing, journalism, literature, and composition.

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



English

British and World Literature

Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and 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 test-taking skills for standardized assessments in critical reading and writing.

Materials required: Printed items (book, workbook, etc.)

Prerequisite: American Literature (or equivalent)

British and World Literature Honors

Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and 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 test-taking skills for standardized assessments in critical reading and writing.

Materials required: Printed items (book, workbook, etc.)

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. They then integrate their impressions of these works with their personal life experiences as they compose their 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

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.

Materials required: Printed items (book, workbook, etc.)

Prerequisite: Grade 8 Language Arts (or equivalent)



English

English 9 Honors 0.5

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.

Materials required: Printed items (book, workbook, etc.)

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

English 10 0.5

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.

Materials required: Printed items (book, workbook, etc.)

Prerequisite: English 9 (or equivalent)

English 10 Honors 0.5

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.

Materials required: Printed items (book, workbook, etc.)

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

English Foundations I

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

English Foundations II

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

Grammar and Composition

In the course, students consider the themes of personal identity and coming of age as they engage in writing assignments designed to provide basic writing practice. Students read several short literary pieces. Instruction focuses on ideas, organization, sentence fluency, and conventions.

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 news and feature articles. Students conduct interviews, research, write, and design publications.

Materials required: Digital camera

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 present their 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.

Materials required: Downloadable software

Prerequisite: None



Math

Algebra 1

This Algebra 1 Summit course formalizes and extends the mathematics that students learned in the middle grades. Built to follow revised middle school math courses, this 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 (or equivalent)

Algebra 1 Bridge

Success in Algebra 1 depends on a student's proficiency in concepts presented in prior courses, and the ability to integrate new concepts with that prior knowledge. The Bridge to Algebra 1 course incorporates all the necessary prerequisite skills required for student success. The course assesses students on these prerequisite skills before presenting related Algebra 1 concepts. Success on these assessments indicates preparedness for the next step in algebraic conceptual thinking. Lack of success on these assessments initiates a review of prerequisite concepts. These carefully planned reviews are “bridges” to Algebra 1. By design, only those bridges determined to be appropriate for the individual student are released within the student's course sequence, providing a personalized path.

Each Algebra 1 unit includes two or three bridges of prerequisite concepts and skills. Each bridge strings together two levels of prerequisite content. The first level draws from concepts addressed in grades 7 and 8, and the second level digs even further back into foundational skills to draw from grades 7 and 6 content. Upon completion of a bridge, the associated new Algebra 1 concepts are presented. The bridges provide students with an opportunity to improve skills and increase the likelihood of success in Algebra 1. They aid in solidifying the connections that complete the puzzle of how mathematical topics are related.

The Bridge to Algebra 1 course offers the same instructional content as K12's Algebra 1 course, helping students to formalize and extend the mathematics they learned in the middle grades and revisited in bridges content. 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: School recommendation



Math

Algebra 1 Honors

This Algebra 1 Honors Summit formalizes and extends 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 (or equivalent) and teacher/school counselor recommendation

Algebra 2

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 (or equivalent), and Geometry (or equivalent), and teacher/school counselor recommendation

Algebra 2 Bridge **NEW**

Success in Algebra 2 depends on a student's proficiency in concepts presented in prior courses, and the ability to integrate new concepts with that prior knowledge. The Bridge to Algebra 2 course incorporates all the necessary prerequisite skills required for student success. The course assesses students on these prerequisite skills before presenting related Algebra 2 concepts. Success on these assessments indicates preparedness for the next step in algebraic conceptual thinking. Lack of success on these assessments initiates a review of prerequisite concepts. These carefully planned reviews are "bridges" to Algebra 2. By design, only those bridges determined to be appropriate for the individual student are released within the student's course sequence, providing a personalized path.

Each Algebra 2 unit includes two or three bridges of prerequisite concepts and skills. Each bridge strings together two levels of prerequisite content. The first level draws from concepts addressed in grades 7 and 8, and the second level digs even further back into foundational skills to draw from grades 7 and 6 content. Upon completion of a bridge, the associated new Algebra 2 concepts are presented. The bridges allow students to improve their skills and increase the likelihood of success in Algebra 2. They aid in solidifying the connections that complete the puzzle of how mathematical topics are related.

The Bridge to Algebra 2 course offers the same instructional content as K12's Algebra 2 course. Students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The course covers sequences and series, probability distributions, and more advanced data analysis techniques.

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



Math

Algebra 2 Honors

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 (or equivalent), Geometry (or equivalent), and teacher/school counselor recommendation

AP[®] Calculus AB

In AP[®] Calculus AB, students 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 learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models instead of simply getting the right answer. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. The equivalent of an introductory college-level calculus course, AP[®] Calculus AB prepares students for the AP[®] exam and further studies in science, engineering, and mathematics.

[Available on the Online School platform only.](#)

Prerequisites: Geometry Honors, Algebra 2 Honors, Pre-Calculus/Trigonometry (or equivalents), and teacher/school counselor recommendation

AP[®] Statistics

AP[®] Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics play a vital role in many fields. The equivalent of an introductory college-level course, AP[®] Statistics prepares students for the AP[®] exam and further study in science, sociology, medicine, engineering, political science, geography, and business.

[Available on the Online School platform only.](#)

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



Math

Calculus

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; there is no charge to download the software for the applet.

Prerequisite: Pre-Calculus/Trigonometry (or equivalent)

Consumer Math

In Consumer Math, students study and review arithmetic skills they can apply in their personal lives and 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

In this second course of a two-year algebra sequence, 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

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)



Math

Geometry

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.

Materials required: Geometry tools

Prerequisite: Algebra 1 (or equivalent)

Geometry Bridge

Success in Geometry depends on a student's proficiency in concepts presented in prior courses, and the ability to integrate new concepts with that prior knowledge. The Bridge to Geometry course incorporates all the necessary prerequisite skills required for student success. The course assesses students on these prerequisite skills before presenting related Geometry concepts. Success on these assessments indicates preparedness for the next step in algebraic conceptual thinking. Lack of success on these assessments initiates a review of prerequisite concepts. These carefully planned reviews are "bridges" to Geometry. By design, only those bridges determined to be appropriate for the individual student are released within the student's course sequence, providing a personalized path.

Each Geometry unit includes two or three bridges of prerequisite concepts and skills. Each bridge strings together two levels of prerequisite content. The first level draws from concepts addressed in grades 7 and 8, and the second level digs even further back into foundational skills to draw from grades 7 and 6 content. Upon completion of a bridge, the associated new Geometry concepts are presented. The bridges provide students with an opportunity to improve skills and increase the likelihood of success in Geometry. They aid in solidifying the connections that complete the puzzle of how mathematical topics are related.

The Bridge to Geometry course offers the same instructional content as K12's Geometry course offers. This 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.

Materials required: Geometry tools

Prerequisite: School recommendation

Geometry Honors

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.

Materials required: Geometry tools

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



Math

Integrated Mathematics I

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

Materials required: Geometry tools

Prerequisite: Pre-Algebra (or equivalent)

Integrated Mathematics II

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

Prerequisite: Integrated Mathematics I (or equivalent)

Integrated Mathematics III

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

Prerequisite: Integrated Mathematics II (or equivalent)

Math Foundations I

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 develop the computational skills and conceptual understanding needed to undertake high school math courses with confidence.

Prerequisite: Teacher/school counselor recommendation



Math

Math Foundations II

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

Practical Math

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 central 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 and Geometry

Pre-Algebra

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; and solve problems involving percentages, ratios, and proportions. They also 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.

Prerequisite: Math 6 (or equivalent)

Pre-Calculus/Trigonometry

Pre-calculus weaves 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.

Materials required: Geometry tools

Prerequisites: Geometry and Algebra 2 (or equivalents)



Math

Probability and Statistics

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 (or equivalent)



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 several learning activities, including readings, interactive exercises, extension activities, hands-on and virtual laboratory experiments, and practice assessments. These activities are designed to help students understand the scientific process and critical-thinking skills necessary to answer questions on the AP[®] Biology exam.

Materials required: Science lab materials

Prerequisites: Biology Honors, Chemistry Honors, Algebra 1 Honors (or equivalents), and teacher/school counselor recommendation required; success in Algebra 2 Honors 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 the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.)

Prerequisites: Chemistry Honors, Algebra 2 Honors (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 high school Earth Science

Biology

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, collaborative explorations, virtual laboratories, and hands-on laboratory experiments students can conduct at home.

Prerequisite: Middle school Life Science (or equivalent)



Science

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

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

Chemistry

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, virtual laboratories, and related assessments, used with an online problem-solving book.

Prerequisites: Satisfactory completion of either middle school Physical Science or Physical Science (or equivalents), and a solid grasp of algebra basics, evidenced by success in Algebra 1 (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 or Algebra 1 Honors (or equivalents), and teacher/school counselor recommendation

Earth Science

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, collaborative activities, virtual laboratories, and hands-on laboratories students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods.

Prerequisite: Middle school Earth Science (or equivalent)



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 hands-on laboratories students can conduct at home. The course prepares students for advanced studies in geology, meteorology, oceanography, and astronomy courses, and gives them more sophisticated experience in implementing scientific methods. Additional honors assignments include debates, research papers, extended collaborative laboratories, and virtual 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 the 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 (or equivalent); Chemistry (or equivalent) is highly recommended

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. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning with both hands-on laboratory investigations and virtual laboratory experiences.

Prerequisite: Middle school Physical Science (or equivalent)



Science

Physics

This course provides a comprehensive survey of all key areas: physical systems, measurement, kinematics, dynamics, momentum, energy, thermodynamics, waves, electricity, magnetism. It 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 and Pre-Calculus/Trigonometry (or equivalents); Pre-Calculus/Trigonometry is strongly recommended as a prerequisite, but this course may instead be taken concurrently with Physics

Physics Honors

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

Prerequisites: Algebra 2 or Algebra 2 Honors and Pre-Calculus/Trigonometry (or equivalents); Pre-Calculus/Trigonometry is strongly recommended as a prerequisite, but may be taken concurrently with Physics Honors; and teacher/school counselor recommendation



History and Social Sciences

Anthropology ●

This course presents a behavioral science focused on the study of humanity and culture. The course covers the foundations of anthropology's five main branches, including physical, social, linguistic, archeological, and cultural. Students are provided the opportunity to apply their 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 co-requisite, but not required

AP® Art History

AP® Art History introduces students to major works of art and the concepts needed to understand them. This online course fosters an 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 to 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 (or equivalent) and teacher/school counselor recommendation

AP® Microeconomics ●

This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use them 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 (or equivalent) and teacher/school counselor recommendation



History and Social Sciences

AP® Psychology ●

This course is the equivalent of an introductory college-level course. Students receive an overview of current psychological research methods and theories. They explore the therapies used by professional counselors and clinical psychologists, and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They study core psychological concepts, such as the brain and sensory functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Students prepare for the AP® exam.

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 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 further study in political science, law, education, business, and history.

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

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 vast 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 how historical events have shaped American society and culture.

[Available on the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.)

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



History and Social Sciences

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

Contemporary World Issues ○

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

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 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 business, money, banking, and finance, students see how economics is applied 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. It also allows students to see the similarities and differences between the regions more clearly.

Prerequisite: World History (or equivalent) is recommended but not required



History and Social Sciences

Modern U.S. History

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 K12's *The American Odyssey: A History of the United States*. Lessons help students organize their studies, explore topics in-depth, review in preparation for assessments, and practice historical thinking and analysis skills. Activities include analyzing primary sources and maps, creating timelines, 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 19th century to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize study, explore topics in-depth, review in preparation for assessments, and practice advanced historical thinking and analysis skills. Activities include analyzing primary sources and maps, creating timelines, 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

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 20th century, with a focus on political and social history. Students also explore physical and human geography topics, 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 timelines, completing projects and written assignments, and conducting independent research.

Prerequisite: World History (or equivalent)



History and Social Sciences

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 20th, with a focus on political and social history. Students also explore advanced topics in physical and human geography, and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

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

U.S. and Global Economics ● ●

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 historical 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 (or equivalent) is recommended, but not required



History and Social Sciences

U.S. Government and Politics ● ●

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, Congress members, 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 (or equivalent) is recommended, but not required

U.S. History ●

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 K12's ebook, *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 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 K12's ebook, *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

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

World History ●

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. The course is organized chronologically and, within broad eras, regionally. Online 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*, an ebook written and published by K12. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing historical thinking and writing skills as they explore the broad themes and big ideas of human history.

Prerequisite: Middle school American History and middle school World History (or equivalents)



History and Social Sciences

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. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, an ebook written and published by K12. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester.

Prerequisites: Middle school American History and middle school World History (or equivalents)



World Languages

American Sign Language NEW

American Sign Language (ASL) is the third most commonly used language in North America. In this course, students are introduced to vocabulary and simple sentences so they can start communicating right away. They also explore deaf culture, including social beliefs, traditions, history, values, and communities influenced by deafness.

Prerequisites: none

AP[®] French Language and Culture (Middlebury Interactive Languages)

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. They will also 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 (Middlebury Interactive Languages)

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. Its foundation is the three modes of communication (interpersonal, interpretive, and presentational) 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. All student work, practices, projects, participation, and assessments are also 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 can share their opinions and comments on various topics and comment on other students' posts. The course also makes excellent 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 Competency (Middlebury Interactive Languages)

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 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 (Middlebury Interactive Languages)

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 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 permeates the materials from beginning to end.

[Available on the PEAK and CAP Direct platforms only.](#)

Prerequisite: None



World Languages

Chinese II Competency (Middlebury Interactive Languages)

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 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 (Middlebury Interactive Languages)

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 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 the PEAK and CAP Direct platforms only.](#)

Prerequisite: Chinese I

French I Competency (Middlebury Interactive Languages)

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 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



World Languages

French I Fluency (Middlebury Interactive Languages)

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 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 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 the PEAK and CAP Direct platforms only.](#)

Prerequisite: None

French II Competency (Middlebury Interactive Languages)

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 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 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 (Middlebury Interactive Languages)

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 can search for specific lessons and activities as well as authentic media. A wide range of activities engages students as they continue to develop metacognitive strategies by processing authentic input 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 the PEAK and CAP Direct platforms only.](#)

Prerequisite: French I



World Languages

French III Competency (Middlebury Interactive Languages)

Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities that teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in both formal and informal verbal and written contexts. Students should expect to be actively engaged in their 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 Competency (Middlebury Interactive Languages)

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 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

German II Competency (Middlebury Interactive Languages)

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 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



World Languages

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 instead of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the broadest range of periods. Students should expect to be actively engaged in their 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

Latin II

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 more in-depth 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 instead of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the broadest range of periods. Students should expect to be actively engaged in their 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



World Languages

Spanish I Competency (Middlebury Interactive Languages)

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 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

Spanish I Fluency (Middlebury Interactive Languages)

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 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 the PEAK and CAP Direct platforms only.](#)

Prerequisite: None

Spanish II Competency (Middlebury Interactive Languages)

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 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 (Middlebury Interactive Languages)

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 can 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 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 the PEAK and CAP Direct platforms only.](#)

Prerequisite: Spanish I

Spanish III Competency (Middlebury Interactive Languages)

Students further deepen their understanding of Spanish by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities that teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal verbal and written contexts. Students should expect to be actively engaged in their 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 essential pieces of Hispanic literature; and take frequent assessments where their language progression can be monitored.

Prerequisite: Spanish II



Orientation

Finding Your Path I (not for credit)

First-year students begin their school year with a course specifically targeted to their unique concerns. This 10-hour orientation course is unique for each student as school counselors, advisers, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as a “home base” where students and school counselors can address critical topics to ensure success in high school and beyond.

[Available on the Online School platform only.](#)

Prerequisite: None

Finding Your Path II (not for credit)

Sophomores begin their school year with a course specifically targeted to their unique concerns. This 10-hour orientation course is unique for each student as school counselors, advisers, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as a “home base” where students and school counselors can address critical topics to ensure success in high school and beyond.

[Available on the Online School platform only.](#)

Prerequisite: None

Finding Your Path III (not for credit)

Juniors begin their school year with a course specifically targeted to their unique concerns. This 10-hour orientation course is unique for each student as school counselors, advisers, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as a “home base” where students and school counselors can address critical topics to ensure success in high school and beyond.

[Available on the Online School platform only.](#)

Prerequisite: None

Finding Your Path IV (not for credit)

Seniors begin their school year with a course specifically targeted to their unique concerns. This 10-hour orientation course is unique for each student as school counselors, advisers, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students explore their education and career interests, define goals, and create a path through high school that will get them there. In addition, this course serves as a “home base” where students and school counselors can address critical topics to ensure success in high school and beyond.

[Available on the Online School platform only.](#)

Prerequisite: None



Standard Electives

Accounting 1 ●

This is the first semester of a two-semester course. The course teaches accounting while emphasizing conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses.

Accounting 2 ●

This is the first semester of a two-semester course. The course continues to teach accounting while emphasizing conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses.

Prerequisite: Accounting 1

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 their career 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

Art Appreciation ● ●

This one-semester course introduces learners to the various forms of the visual arts, such as painting, sculpture, film, and more. Students learn how to look at a work of art, identify and compare key characteristics in artworks, and understand the role art has played throughout history. Through hands-on activities, virtual museum tours, discussion, and research, learners develop an overall appreciation for the art they encounter in their daily lives.

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 an 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



Standard Electives

Digital Arts I ●

Students learn the elements and principles of design as well as foundational concepts of visual communication in this exploratory course. While surveying a variety of media and art, students use image editing, animation, and digital drawing to 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.

Materials required: Downloadable software

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.

Materials required: Downloadable software

Prerequisite: Digital Arts I (or equivalent)

Entrepreneurship 1 ●

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

Entrepreneurship 2 ●

Students build on the business concepts they learned in Entrepreneurship I. Students continue to explore the different functions of business while refining their technology and communication skills in speaking, writing, networking, negotiating, and listening. The purpose of this course is to prepare students to launch a small business venture.

Prerequisite: Entrepreneurship I (or equivalent)

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 work and family roles. They gain an appreciation for each family member's responsibilities and contributions to the well being of the family and the community throughout their lifespan.

Prerequisite: None



Standard Electives

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.

Materials required: Art supplies

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

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

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 Online Learning (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 the Online School platform only.](#)

Prerequisite: None



Standard Electives

Life Skills ● ●

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 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 1 ●

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

Prerequisite: None

Marketing 2 ●

Students build on the skills and concepts learned in Marketing 1 to develop a basic understanding of marketing principles and techniques. The course encourages students to think like an entrepreneur and begin preparing for a career in business and marketing. By the end of the course, students will understand what it takes to start a small business venture.

Prerequisite: Marketing I

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.

A student "performance practicum" is required for full credit each semester to comply with certain state standards for the arts. 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 teacher for approval and to validate their student's regular participation in the chosen performance practicum.

Materials required: Music supplies

Prerequisite: None



Standard Electives

Nutrition and Wellness ● ●

This one-semester elective course provides students with an overview of sound 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

Personal Finance ● ●

In this introductory finance course, students learn basic principles of economics and best practices for managing their 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 knowledge of capitalism and other systems to better understand their role in society's economy.

Prerequisite: None

Personal Fitness I ● ●

In this course, ninth grade students learn and practice principles of fitness, wellness, and health to develop habits of healthy living. Guided by their textbook, *Fitness for Life*, students explore topics that include the physiology of diet and exercise, biomechanics, and team dynamics. They apply their knowledge in daily fitness activities and assignments that include personalized exercise and diet plans that develop students' self-assessment skills. The varied activities also reinforce how physical fitness catalyzes emotional and mental well-being, self-esteem, and communication skills.

Materials required: Printed items (book, workbook, etc.)

Prerequisite: None

Personal Fitness II ● ●

In this course, high school students study ways to get and stay fit through moderate and vigorous activities, sports, and recreation. They study the components and benefits of fitness. Students also study self-management, stress management, and lifestyle practices to achieve and maintain fitness. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.

Materials required: Printed items (book, workbook, etc.)

Prerequisite: None



Standard Electives

Personal Health ● ●

In this course, tenth-grade students study physical, emotional, mental, and social health. They study how to maintain and improve all facets of health while learning about disease and illness prevention. Students also study the effects of tobacco, alcohol, and substance on individuals and communities. In addition to their reading lessons, students complete a variety of activities, assignments, quizzes, and tests to assess their understanding of the content studied.

Materials required: Printed items (book, workbook, etc.)

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

Reaching Your Academic Potential ● NEW

Students learn essential academic skills within 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 it is learning, and how to maximize its potential.

Prerequisite: None

Skills for Health ● ●

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and 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 ●

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.

Materials required: Downloadable software

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 various software and design programs. During the course, students design, define, and complete a variety of digital design projects, including creating a 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 solid 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 a compelling 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 critical 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.

Materials required: Science lab materials

Prerequisite: None



Premier Electives

Anatomy and Physiology 1A ●

Starting with the relationship between anatomy and physiology, students learn about cell structure and their processes. They also examine the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. With a focus on terminology, this course is essential to students pursuing the health sciences or wanting to gain a greater sense of how the human body works.

Prerequisite: None

Anatomy and Physiology 2B ●

Building on the prior prerequisite course, students examine the form and function of even more body systems. Students learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed, along with hereditary traits and genetics. Finally, students explore the importance of accurate patient documentation as well as the technology used in the industry.

Prerequisite: Anatomy and Physiology 1

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.

Materials required: Art supplies

Prerequisite: None



Premier Electives

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 origin of the universe, the Milky Way, and other galaxies and stars.

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. Students examine careers in each area and learn about the expectations and training required for various career options in the criminal justice field.

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 Photography I ●

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

Materials required: Digital camera

Prerequisite: None



Premier Electives

Digital Photography II ●

In this course, students learn about aspects of professional photography, including the ethics of the profession. They examine some of the areas that professional photographers choose to specialize in, such as wedding photography and product photography. Students also learn about some of the most respected professional photographers in history and critique photographs to better understand what creates an eye-catching picture.

Materials required: Digital camera

Prerequisite: Digital Photography I

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

Fashion and Interior Design ●

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

Materials required: Sewing machine and supplies

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 a plan for a 2D video game. The course is designed to help prepare students either for postsecondary education in game design or for an entry-level career.

Materials required: Downloadable software

Prerequisite: None



Premier Electives

Game Design II ●

In Game Design II, students have the opportunity to conceptualize, design, and create a 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.

Materials required: Downloadable software

Prerequisite: Game Design I (or equivalent)

Gothic Literature ●

Since the 18th century, Gothic tales have influenced fiction writers and fascinated readers. This course focuses on the major themes found in Gothic literature and looks at 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

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

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.

Materials required: Downloadable software

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

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



Premier Electives

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 ●

This introductory course provides students with basic cooking and knife skills while preparing them for entry into the culinary world. Students discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. The course also covers the professional, communication, leadership, and teamwork skills crucial to a career in the culinary arts.

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

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.

Materials required: Downloadable software

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.

Materials required: Downloadable software

Prerequisite: Java Programming I



Premier Electives

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

Mythology and Folklore ●

Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore have been used 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

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

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

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 the 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.

Materials required: Downloadable software

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 essential 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 wondered about how things work behind the scenes of a major sporting event, like the Super Bowl—or entertained the idea of playing a role in such an event—this course introduces the fundamentals of such a career.

Prerequisite: None

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



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

Administrative Professional ●

This course prepares students for employment in today's global environment, which is increasingly dynamic and digital. This course emphasizes the importance of understanding employers' expectations; building confidence; and developing the knowledge and skills necessary to become strong, competent employees and leaders. Using interactive and engaging content, students learn skills needed in the workplace, such as being professional, working ethically, working as a team, and developing customer focus. In addition, students learn key communication skills, records management, and how to prepare for successful employment.

Prerequisite: None

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.

Materials required: 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



Career-Focused Electives

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.

Materials required: 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 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.

Materials required: 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 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.

Materials required: 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

Agricultural Mechanics 1 ●

This course provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, common tools and materials, and a wide range of practical applications. The course also covers essential topics such as career opportunities, shop orientation and procedures, woodworking and metal working, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures.

Prerequisite: None



Career-Focused Electives

Agricultural Mechanics 2 ●

In this course, students learn about portable power tools, woodworking with power machines, adjusting and maintaining power woodworking equipment, metalworking with power machines, sketching and drawing projects, figuring a bill of materials, selecting, planning, and building a project, repairing and reconditioning tools, sharpening tools, using gas welding equipment, cutting with oxyfuels and other gases, brazing and welding with oxyacetylene, selecting and using arc welding equipment, and arc welding mild steel and GMAW/GTAW welding.

Prerequisite: Agricultural Mechanics 1

Agricultural Mechanics 3 ●

The third semester of Agricultural Mechanics provides a thorough introduction to agricultural mechanics, covering fundamental mechanical and engineering theory, standard tools and materials, and a wide range of practical applications. The course also covers essential topics such as career opportunities, shop orientation and procedures, woodworking and metalworking, tool fitting, project planning, cutting and welding, paints and paint application, power mechanics, electrical wiring, plumbing, hydraulics, concrete and masonry, and agricultural structures.

Prerequisite: Agricultural Mechanics 2

Business and IT Explorations ●

In this course students explore basic concepts in the broad areas of business and information technology, as well as career options in each area.

Business: How do business ideas become businesses? How are products marketed? How do you know if a business is making or losing money? These are among the questions that students explore in the business portion of this course. In addition to studying concepts of entrepreneurship, accounting and marketing, students explore these concepts on scales that range from a single person to nations.

Information Technology: How do computers affect communication? How do computers work? How do you make a website? Information technology provides the answers to questions such as these. 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



Career-Focused Electives

Business and Marketing Explorations ●

This course introduces students to business careers so that they can better assess which pathway to pursue. Students explore basic concepts in the broad areas of business and marketing, as well as career options in each area. Students study the concepts of marketing, financial management, and human resource management, in addition to other common business-related functions. Students complete projects to develop a deeper understanding of the roles these business functions play.

Prerequisite: None

Business Communication ●

In this course, students learn about communicating in the digital-age workplace, the importance of planning business messages, how to organize and draft business messages, how to revise business messages, short workplace messages and digital media positive messaging, negative messaging, persuasive messaging, how to create informal reports, and how to create proposals and formal reports. They also learn about the importance of professionalism at work, including business etiquette, ethics, teamwork, and meetings. Students learn how to prepare business presentations, how to conduct a job search and prepare a resume in the digital age, and how to prepare for an interview and follow up afterwards.

Prerequisite: None

Business Information Management I ●

This course is designed to enable students to develop information management skills that can be used in careers in business organizations. The course covers in-depth computing technologies such as working with documents, spreadsheets, presentations, databases, email, and scheduling software. In addition, the course covers essential skills such as written communication, verbal communication, problem solving, teamwork, and professionalism.

Prerequisite: None

Business Information Management II ●

In the second semester, students continue their exploration of computing technologies such as working with documents, spreadsheets, presentations, databases, email, and scheduling software. In addition, the course covers important skills such as written communication, verbal communication, problem solving, teamwork, and professionalism.

Prerequisite: Business Information Management I



Career-Focused Electives

Career Planning ● ●

Students use an informative, interactive process to explore career and life options in this one-semester elective. They begin with a thorough examination of their interests, aptitudes, achievements, and personality styles. Instructional material then helps them match job market information, interview techniques, training requirements, and educational paths to potential careers that suit their strengths and personal priorities. Successfully completing this course gives students the ability to identify and describe their interests, aptitudes, and lifestyle goals; locate and evaluate information about different careers; identify the skills and knowledge needed for careers of interest and how to obtain them; and create an entrepreneurial business plan.

Prerequisite: None

Consumer Behavior ●

This course draws key concepts from marketing, psychology, sociology, and anthropology to present a strong foundation and highly practical focus on real-world applications for today's global business environment. This course incorporates current business practices, including extensive coverage of social media influences, increased consumer power, and emerging neuroscience findings. Students also examine controversies in consumer decision-making involving money, goals, emotions, charity, health, materialism, and sustainability. This edition increases its emphasis on social responsibility and ethics in marketing, examining both the dark side and constructive possibilities.

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

Engineering Drawing and Design I ●

In this course, students learn about actual product design through all phases from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and how to use management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

Prerequisite: None

Engineering Drawing and Design II ●

In the second semester of Engineering Drawing and Design, students continue to learn about actual product design through all phases from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and how to use management methods to identify the causes of defects, remove them, and minimize manufacturing variables.

Prerequisite: Engineering Drawing and Design I

Engineering Explorations ●

This course guides students through an investigation of engineering careers. Students are introduced to the basics of engineering, learn how to turn problems into ideas, and develop a basic understanding of civil, mechanical, chemical, and biological engineering.

Prerequisite: None

Engineering Fundamentals I ●

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

Prerequisite: None



Career-Focused Electives

Engineering Fundamentals II ●

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

Prerequisite: Engineering Fundamentals I

Essentials of Health Information Management ●

In the age of the electronic health records, staying on top of the latest trends in technology and federal legislation is a must for today's healthcare professionals. This course is mapped to the latest CAHIIM domains and standards, and it includes new coverage of e-HIM, Electronic Health Records, data integrity and security, ICD-10-CM implementation, HIPAA, and more.

Prerequisite: None

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 diet 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



Career-Focused Electives

Healthcare Explorations ●

This course is an exploration of the healthcare career pathways. Students are introduced to healthcare careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of healthcare and career options in each area. Students study the concepts of disease prevention, personal health management, and social work, in addition to other common health-related functions. Students complete projects to develop a deeper understanding of the roles these healthcare functions play.

Prerequisite: None

Introduction to Mechanical Engineering ●

This course introduces students to the field of mechanical engineering and helps them develop an appreciation for how engineers design hardware that builds and improves societies around the world. The course covers topics, such as technical problem-solving skills, design, engineering analysis, and modern technology, to provide a solid mechanical engineering foundation needed for future success in the field.

Prerequisite: None

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

Introduction to Teaching ●

This course exposes students to the realities of teaching while inspiring and welcoming them to a rewarding, high-impact career. Students reflect on the satisfaction and problems of teaching. Course content includes a balanced look at accountability issues such as standards, high-stakes testing, and reform. Other topics include technology, cheating, bullying, sexual harassment and homophobia, diversity, vouchers, and legal issues.

Prerequisite: None



Career-Focused Electives

IT and Manufacturing Explorations ●

This 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 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 introduces students to engineering, computer-aided drafting using spectraCAD, and advanced manufacturing.

Materials required: Downloadable software

Prerequisite: None

IT Explorations ●

This course is an exploration of the information technology career pathways. Students are introduced to information technology careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web and digital communications, and programming and software development.

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).

Materials required: Downloadable software

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).

Materials required: Downloadable software

Prerequisite: None



Career-Focused Electives

Manufacturing Product Development ●

In this course, students explore rapid prototyping, CAM (Computer Aided Manufacturing with 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).

Materials required: Downloadable software

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: Medical Terminology 1, 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: Medical Terminology 1, Anatomy and Physiology (Levels I and II), and Medical Assistant I

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.



Career-Focused Electives

Medical Assistant III with Certified Medical Assistant Certification Preparation, continued

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 K12). 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; K12 does not provide arrangements for students to complete hands-on requirements.

Prerequisites: Medical Terminology 1, Anatomy and Physiology (Levels I and II), and Medical Assistant II

Medical Coding I ●

This is the first semester of a two-semester course that addresses the latest updates on ICD-10-CM, ICD-10-PCS, CPT®, and HCPCS Level II coding sets, conventions, and guidelines. Students begin with diagnosis coding, then move to more in-depth instruction on coding procedures and services. Extensive exercises, review, coding case studies, and study checklists prepare students for earning coding credentials.

Prerequisite: None

Medical Coding II ●

This is the second semester of a two-semester course that continues to address the latest updates on ICD-10-CM, ICD-10-PCS, CPT®, and HCPCS Level II coding sets, conventions, and guidelines. Students begin with diagnosis coding, then move to more in-depth instruction on coding procedures and services. Extensive exercises, review, coding case studies, and study checklists prepare students for earning coding credentials.

Prerequisite: Medical Coding I

Medical Terminology I ●

This course simplifies the process of memorizing complex medical terminology by focusing on the important word parts—common prefixes, suffixes, and root words—that provide a foundation for learning hundreds of medical terms. Organized by body systems, the course follows a logical flow of information—an overview of the body system's structures and functions—a summary of applicable medical specialties; and ultimately, pathology, diagnostic, and treatment procedures.

Prerequisite: None



Career-Focused Electives

Medical Transcription I ●

Using a simulation approach, students gain a working knowledge of the medical reports most commonly used in both inpatient and outpatient care settings. Students transcribe real medical reports including comprehensive inpatient and outpatient case studies and clinical records. The course covers proper formatting, grammar, and style following AHDI's Book of Style.

Prerequisite: None

Medical Transcription II ●

In the second semester of Medical Transcription, the course continues using a simulation approach so students gain a working knowledge of the medical reports most commonly used in both inpatient and outpatient care settings. Students transcribe real medical reports, including comprehensive inpatient and outpatient case studies and clinical records. The course covers proper formatting, grammar, and style per AHDI's Book of Style.

Prerequisite: Medical Transcription I

Microsoft Access® with Certification Preparation 2016 ●

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.

Materials required: Microsoft Office is required for this course. 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 Excel® with Certification Preparation 2016 ●

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.

Materials required: Microsoft Office is required for this course. 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 PowerPoint® with Certification Preparation 2016 ●

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.

Materials required: Microsoft Office is required for this course. 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 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 wide variety of commonly used word processing tools.

Materials required: Microsoft Office is required for this course. 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 various livestock and poultry breeds.

Prerequisite: None

Modern Livestock & Poultry Production II ●

The second semester of Livestock and Poultry Production 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 various livestock and poultry breeds.

Prerequisite: Modern Livestock & Poultry Production I



Career-Focused Electives

Modern Livestock & Poultry Production III ●

The third semester of Livestock and Poultry Production covers basic animal science and livestock industry information as well as current issues in animal agriculture. The course includes information students need to 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 various livestock and poultry breeds.

Prerequisite: Modern Livestock & Poultry Production II

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: Medical Terminology 1, 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: Medical Terminology 1, 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 K12). 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; K12 does not provide arrangements for students to complete hands-on requirements.

Prerequisites: Medical Terminology 1, Anatomy and Physiology (Levels I and II), and Nursing Assistant II

Personal Financial Literacy ●

This course covers the most current and relevant financial topics that impact today’s students. Topics include budgeting, identity theft, saving, investing, risk management, and careful use of credit. This course teaches students how to plan and manage their finances, how to live a financially successful life, and what their financial responsibilities are as citizens.

Prerequisite: None

Pharmacy Technician I ●

Pharmacy Technician Levels I, II, and III provide students with the 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: Medical Terminology 1, and Anatomy and Physiology (Levels I and II)

Pharmacy Technician II with Pharmacy Technician Certification Preparation ●

Pharmacy Technician Levels I, II, and III provide students with the 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: Medical Terminology 1, Anatomy and Physiology (Levels I and II), and Pharmacy Technician I



Career-Focused Electives

Pharmacy Technician III with Pharmacy Technician Certification Preparation ●

Pharmacy Technician Levels I, II, and III provide students with the 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: Medical Terminology 1, Anatomy and Physiology (Levels I and II), and Pharmacy Technician II

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 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

Principles of Business I ●

This course provides instruction in business concepts and skills students need in today's competitive environment. This course offers extensive coverage in major business concepts, such as finance, marketing, operations, and management. Students gain valuable information and skills for the workplace, as well as preparation for success in competitive events, such as DECA, FBLA, and BPA.

Prerequisite: None

Principles of Business II ●

The second semester of Principles of Business continues instruction in business concepts and skills students need in today's competitive environment. This course offers extensive coverage in major business concepts, such as finance, marketing, operations, and management. Students gain valuable information and skills for the workplace, as well as preparation for success in competitive events, such as DECA, FBLA, and BPA.

Prerequisite: Principles of Business I

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



Career-Focused Electives

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

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

Understanding Child Development ●

This course introduces students to the unique qualities of young children from infants to age eight. It demonstrates how to work with each child in ways that correspond with their developmental level, and their social and cultural environment. The course includes learning theories and research as well as information about the importance of play and technology in a young child's learning process. Other topics covered include readiness, assessment, working with children and families from diverse cultures, working with children with special needs, and the early stages of reading, writing, and general cognitive development.

Prerequisite: None



Career-Focused Electives

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, and 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, and 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

Prerequisite for all Credit Recovery courses:

Student previously took the course or its equivalent but did not receive credit; and teacher/school counselor recommendation

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.

Materials required: Printed items (book, workbook, etc.)

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.

Materials required: Printed items (book, workbook, etc.)

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.

Materials required: Printed items (book, workbook, etc.)

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.

Materials required: Printed items (book, workbook, etc.)



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 an 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.

Materials required: Geometry tools

Integrated Mathematics I ●

This first-year credit recovery 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 and transforming functions, and applying functions to various continuous and discrete situations. The statistics in the course cover both univariate and bivariate data. For univariate data, students learn about measures of center and spread. For bivariate data, they learn about correlation and fitting data to a line. The topics in geometry include transformations, reasoning, congruence, construction, and analytic geometry. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.

Materials required: Geometry tools



Credit Recovery—Math

Integrated Mathematics II

Integrated Mathematics II, a second-year credit recovery high school math course, introduces students to polynomials, including the factoring of polynomials, before moving onto quadratics equations and quadratic functions. Students expand on their knowledge of sequences in learning about series. The course also covers probability, including conditional probability. There are many geometry topics in the course, including transversals, quadrilaterals, similarity, volume, and circles. Students solve problems using right triangle trigonometry and special right triangles, and they use analytic geometry tools to describe circles and parabolas in the coordinate plane. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.

Integrated Mathematics III

In this third-year credit recovery high school math course, students expand on previous high school math topics including systems of equations and inequalities, polynomials, trigonometry, statistics, and functions. The introduction of complex numbers leads to new adventures in factoring polynomials, solving polynomial equations, and graphing polynomials. Students work with radical and rational expressions and equations and extend their knowledge of exponential functions to inverses and logarithmic functions. In geometry, they learn about the unit circle and use trigonometric functions to model periodic processes. Other geometric topics include three-dimensional visualization, design and optimization, and real-world modeling. Students are introduced to piecewise and logistic functions and perform quadratic and exponential regressions. Finally, students use statistical and probability tools, such as the standard normal distribution, to understand data, and use simulations, experiments, and surveys to make inferences. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.



Credit Recovery—Science

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 study 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.

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.

Earth Science ●

This course provides students with a robust 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 plans so students can focus on topics that need review.

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.



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.

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 domestically and globally.

Geography ●

This course examines a broad range of geographical perspectives covering all of the major regions of the world. Each area is reviewed in a similar structure so that students can see the similarities and differences between regions. Specifically, the course explores the location of each region along with its physical characteristics, including absolute and relative position, climate, and significant geographical features. The course closely examines the human impact on each region from cultural, economic, and political perspectives. Students take diagnostic tests that assess their current knowledge and generate individualized study plans, so students can focus on topics that need review. Audio readings and vocabulary lists in English and Spanish support reading comprehension.

Modern U.S. History ●

Students review American history from the industrial revolution of the late 19th century to recent events. They examine 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.



Credit Recovery—History and Social Sciences

Modern World Studies ●

Students review the history of the world from approximately 1870 to the present. The course begins with a look 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.

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 current 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.

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 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 / 2020–2021



MATERIALS KEY

In addition to common household items, other materials may be required for this course such as:

- 1 Printed items (book, workbook, etc.)
- 2 Downloadable software
- 3 Digital camera or webcam
- 4 Art, music, or sewing supplies
- 5 Science lab materials (if using hands-on labs rather than virtual labs)
- 6 Geometry tools

Districts can opt to have these materials (except for the downloadable software, digital camera, webcam, and sewing supplies) automatically shipped to students enrolled in the courses at an additional cost. Please check your contract for details. For a complete list of the materials needed, visit: [K12.com/LearningSolutionsMaterials](https://k12.com/LearningSolutionsMaterials).

ENGLISH/ LANGUAGE ARTS



Language Arts 6 1

Language Arts 7 1

Language Arts 8 1

MATH



Math 6

Math 7

Math 8

SCIENCE



Earth Science 5

Life Science 5

Physical Science 5

WORLD LANGUAGES



Chinese I

Chinese II

French I

French II

German I

German II

Latin I

Latin II

Spanish I

Spanish II

HISTORY and SOCIAL SCIENCES



American History Before 1865 1

American History Since 1865

Intermediate Civics and Economics 1

Intermediate Global Studies 1

World History I

World History II

STANDARD ELECTIVES



American Art I 4

American Art II 4

Career Explorations I

Career Explorations II

Computer Literacy

Health 6 1

Health 7

Health 8 1

Introduction to Online Learning OLS only

Journalism

Photography 1 3

Physical Education 6

Physical Education 7

Physical Education 8

Spotlight on Music 7 4 OLS only

Spotlight on Music 6 4 OLS only

Spotlight on Music 8 4 OLS only

World Art I 4

World Art II 4



English/Language Arts

Language Arts 6

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 increase their vocabulary independently. Students study grammar, usage, and mechanics, and practice sentence analysis, sentence structure, and proper punctuation. 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.

Materials required: Printed items (book, workbook, etc.)

Language Arts 7

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. 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.

Materials required: Printed items (book, workbook, etc.)

Language Arts 8

Throughout this course, students engage in literary analysis and close reading of short stories, poetry, drama, novels, and informational texts. The course focuses on the 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. Analyzing 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.

Materials required: Printed items (book, workbook, etc.)



Math

Math 6

In this Grade 6 Summit 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

In this Grade 7 Summit 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

The Grade 8 Summit 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.



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.

Materials required: Science lab materials

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.

Materials required: Science lab materials

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.

Materials required: Science lab materials



History and Social Sciences

American History Before 1865

The first half of a detailed two-year survey of the history of the United States, this course takes students from the arrival of the first people in North America through the Civil War and Reconstruction. Lessons integrate topics in geography, civics, and economics. Building on the award-winning series *A History of US*, the course guides students through critical episodes in the story of America. Students investigate Native American civilizations; follow the path of European exploration and colonization; assess the causes and consequences of the American Revolution; examine the Constitution and the growth of the new nation; and analyze what led to the Civil War and its aftermath.

Materials required: Printed items (book, workbook, etc.)

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 19th 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.

Intermediate Civics and Economics

In this course, students learn about the government and economic system of the United States and their role in it. They begin their study by looking at colonial America and the importance of the documents, such as the Constitution, that the Founding Fathers wrote. Students then turn their attention to the structure of the U.S. government as they learn about the executive, legislative, and judicial branches. They study the role of elections, voting, and public opinion in the American political process, as well as the role that state and local governments play. They learn citizenship skills that will enable them to participate in their government and communities throughout their lives. Turning to economics, students study the free enterprise system that the American economy is based on and learn about how economic growth is measured, types of businesses, the process of developing the government budget, and the role the government takes in the U.S. economy. They also gain personal finance knowledge, such as the importance of budgeting, saving, and the responsible use of credit. Students examine the role that banks and international trade play in their lives. They also look at the different types of economies in the world, the interdependence of countries today, and the spread of democracy around the world.

Materials required: Printed items (book, workbook, etc.)



History and Social Sciences

Intermediate Global Studies

In this course, students take a detailed look at the physical and cultural world around them. Beginning with the study of geographic themes that provide a framework to analyze different parts of the world, students turn their focus to each geographical region of the world—North America; South America; Europe; Asia; Africa; and Oceania, Australia, New Zealand, and Antarctica—as they learn more about the physical and cultural traits that makes each region unique, as well as studying their commonalities. Students also look at issues such as trade, globalization, the environment, conflict, and other topics that influence the world today. Students also learn and apply research skills as they undertake research projects that give them a more in-depth focus on specific regions of the globe.

Materials required: Printed items (book, workbook, etc.)

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*, an ebook series developed and published by K12. This course focuses on the development of civilization across 12,000 years: 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.

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*, an ebook series developed and published by K12. This course focuses on the story of the past, from the 15th century to 1914 and the beginning of World War I. The course is organized chronologically and, within broad eras, regionally. Lessons explore developments in religion, philosophy, the arts, and science and technology. The course introduces geography concepts and skills as they appear in the context of the historical narrative.



World Languages

Chinese 1 (Middlebury Interactive Languages)

This is a fun, interactive course for middle school students 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 practices help students learn characters. Students should expect to be actively engaged in their 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 (Middlebury Interactive Languages)

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 practices help students learn characters. Students should expect to be actively engaged in their 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 1 (or equivalent)



World Languages

French 1 (Middlebury Interactive Languages)

This is a fun, interactive course for middle school students 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 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 (Middlebury Interactive Languages)

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 language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and take frequent assessments where their language progression can be monitored.

Prerequisite: Middle school French 1 (or equivalent)



World Languages

German 1 (Middlebury Interactive Languages)

This is a fun, interactive course for middle school students 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 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 (Middlebury Interactive Languages)

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 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 1 (or equivalent)



World Languages

Latin 1

This is a fun, interactive course for middle school students 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 the ancient, time-honored classical language approaches of 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 instead of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the broadest range of time periods. Students should expect to be actively engaged in their 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 1. Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through the ancient, time-honored classical language approaches of 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 instead of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the broadest range of time periods. Students should expect to be actively engaged in their 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 1 (or equivalent)



World Languages

Spanish 1 (Middlebury Interactive Languages)

This is a fun, interactive course for middle school students 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 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 (Middlebury Interactive Languages)

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 language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and take frequent assessments where their language progression can be monitored.

Prerequisite: Middle school Spanish 1 (or equivalent)



Electives

American Art I ● ●

American Art I introduces students to North American artists, cultures, and great works of art and architecture from pre-Columbian times through 1877. Students study and create various works, both realistic and abstract, including sketches, masks, architectural models, prints, and paintings. They investigate the art of the American Indians and Colonial and Federal America, and create artworks inspired by works they learn about using a variety of materials and techniques. For example, after studying John James Audubon's extraordinary paintings of birds, students make bird paintings with realistic color and texture.

Materials required: Art supplies

American Art II ● ●

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.

Materials required: Art supplies

Career Explorations I ●

Intended for students in grade 8, 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 applying them 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.

Career Explorations II ●

In the second semester, students explore more careers and what it takes to succeed in them. They learn more about what steps to take to prepare for careers and how to compare the pros and cons of different career choices.



Electives

Computer Literacy

This course introduces students to the fundamental concepts necessary to use computers; use word processing software to create documents; develop skills in spreadsheet software to format cells, work with data, and use advanced formulas and functions; and use presentation software to create dynamic slide shows featuring text, objects, animation, and transitions. The course prepares students for further study via computer-related courses. The use of hands-on learning experiences ensures important computer concepts are thoroughly understood. In addition to learning the essentials of word processing, spreadsheets, and presentation software, students examine the building blocks of microcomputers, Microsoft Windows, and using the internet wisely.

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, interactive multimedia tutorials, lab activities, and interactions with the teacher.

Materials required: Printed items (book, workbook, etc.)

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.

Health 8

Designed for the eighth grade, Health 8 gives students the knowledge and skills necessary to develop and maintain a healthy 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.

Materials required: Printed items (book, workbook, etc.)



Electives

Introduction to Online Learning

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 the Online School platform only.](#)

Journalism ●

Who? What? When? Where? Journalism provides us with answers to these questions for the events that affect our lives. 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. The course also examines the historical development of journalism and the role of journalism in society.

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.

Materials required: Digital camera

Physical Education 6 ●

The sixth-grade physical education course introduces students to health-related fitness components, dance, team sports, and lifetime activities. Students learn the essential principles to live a healthy, active lifestyle. The lessons give students exposure to many activities that can be incorporated into their daily lives today, tomorrow, and in the future.

Physical Education 7 ●

In the seventh-grade physical education course, students are exposed to diverse activities and learn a wide variety of fitness concepts that they can use in their everyday lives. Students learn skills for lifelong activities, such as strength training and power walking, as well as several options for aerobic activities. They can measure their progress and accomplishments through the completion of fitness tests. On completing this course, students will know how to stay fit and active well beyond middle school.



Electives

Physical Education 8

In the eighth-grade physical education course, students are exposed to various physical activities and fitness concepts that contribute to their overall physical activity level. Students learn a multitude of skills that will accompany them throughout their lives. Skills and concepts include target heart rate, the basics of fitness testing, goal setting, flexibility, aerobic/anaerobic exercise, strength training, and other individual games and activities, as well as team sports. This course gives students fitness knowledge and skills that can be incorporated into their lives now and in the future.

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 the Online School platform only.](#)

Materials required: Music supplies

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 the Online School platform only.](#)

Materials required: Music supplies



Electives

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 the Online School platform only.](#)

Materials required: Music supplies

World Art I

This course is designed to complement World History I. Following the same historical timeline, 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.

Materials required: Art supplies

World Art II

This course is designed to complement World History II. Following the same historical timeline, 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.

Materials required: Art supplies

Elementary School Course List / 2020–2021



MATERIALS KEY

In addition to common household items, other materials may be required for this course such as:

- 1 Printed items (book, workbook, etc.)
- 2 Downloadable software
- 3 Digital camera or webcam
- 4 Art, music, or sewing supplies
- 5 Science lab materials
- 6 Math hands-on tools

These materials (except for the downloadable software, digital camera, and webcam) are automatically shipped to K–5 students enrolled in the courses at an additional cost unless your district opts out. Please check your contract for details. For a complete list of the materials needed, visit: [K12.com/LearningSolutionsMaterials](https://www.k12.com/LearningSolutionsMaterials).

ENGLISH/ LANGUAGE ARTS

- English Language Arts Blue (K) 1
- English Language Arts Green (1) 1
- English Language Arts Orange (2) 1
- English Language Arts Purple (3) 1
- English Language Arts Red (4) 1
- English Language Arts Yellow (5) 1
- English Language Arts 3 1 NEW OLS only
- English Language Arts 4 1 OLS only
- English Language Arts 5 1 OLS only

MATH

- Math+ Blue (K) 6
- Math+ Green (1) 6
- Math+ Orange (2) 6
- Math+ Purple (3) 6
- Math+ Red (4) 6
- Math+ Yellow (5) 6
- Math 3 1 6 NEW OLS only
- Math 4 1 6 NEW OLS only
- Math 5 1 6 NEW OLS only

SCIENCE



- Science K 1 5
- Science 1 1 5
- Science 2 1 5
- Science 3 1 5
- Science 4 1 5
- Science 5 1 5

HISTORY and SOCIAL SCIENCES



- History K 1
- History 1 1
- History 2 1
- History 3 1
- History 4 1
- Early American History (Grade 5)

Elementary School Course List / 2020–2021



MATERIALS KEY

In addition to common household items, other materials may be required for this course such as:

- 1 Printed items (book, workbook, etc.)
- 2 Downloadable software
- 3 Digital camera or webcam
- 4 Art, music, or sewing supplies
- 5 Science lab materials
- 6 Math hands-on tools

These materials (except for the downloadable software, digital camera, and webcam) are automatically shipped to K-5 students enrolled in the courses at an additional cost unless your district opts out. Please check your contract for details. For a complete list of the materials needed, visit: K12.com/LearningSolutionsMaterials.

WORLD LANGUAGES



Beginning Chinese I	OLS only
Intermediate Chinese I	OLS only
Beginning French I	OLS only
Intermediate French I	OLS only
Intermediate French II	OLS only
Intermediate German I	OLS only
Beginning Spanish I	OLS only
Intermediate Spanish I	OLS only
Beginning Spanish II	OLS only
Intermediate Spanish II	OLS only

STANDARD ELECTIVES



Art K	1 4
Art 1	1 4
Art 2	1 4
Art 3	1 4
Art 4	1 4
Early American Art (Grade 5)	1 4
K-5 Intro to Online Learning	OLS only
Physical Education K-2	
Physical Education 3	
Physical Education 4	
Physical Education 5	
Spotlight on Music Grade K	4 OLS only
Spotlight on Music Grade 1	4 OLS only
Spotlight on Music Grade 2	4 OLS only
Spotlight on Music Grade 3	4 OLS only
Spotlight on Music Grade 4	4 OLS only
Spotlight on Music Grade 5	4 OLS only



English/Language Arts

English Language Arts Blue (K)

In this course, students receive structured lessons on readiness skills through emphasis on phonics, language skills, literature, and handwriting to help develop comprehension, build vocabulary, and promote a lifelong interest in reading.

Phonics: PhonicsWorks prepares students to become independent readers through systematic, multisensory instruction in phonemic awareness and decoding skills, using a kit of magnetized letter tiles and a variety of games and activities.

Literature and Comprehension: Plenty of read-aloud literature kindles the imagination while building comprehension and vocabulary. The emphasis is on classic literature—fairy tales, fables, and folktales—including many works that embody exemplary virtues.

Language Skills: Traditional poems, nursery rhymes, and riddles help students develop comprehension, vocabulary, and a love of language. Offline vocabulary instruction is accompanied by online review and practice. All About Me lays the foundations of the writing process as students brainstorm, discuss, illustrate, write, and share ideas with others.

Handwriting: Handwriting Without Tears provides gentle instruction to help students print letters correctly.

Materials required: Printed items (book, workbook, etc.)

English Language Arts Green (1)

In this course, students receive structured lessons on readiness skills through emphasis on phonics, language skills, literature, and handwriting to help develop comprehension, build vocabulary, and promote a lifelong interest in reading.

Phonics: In the first four lessons, students learn new skills or practice what they've previously learned. The fifth lesson in each unit begins with online review and practice activities that reinforce skills learned in the unit and is followed by an offline unit assessment. In some lessons, students read an online decodable reader. These are short, interactive stories that consist entirely of words students are able to read. Students acquire the critical skills and knowledge required for reading and literacy.

Literature and Comprehension: The Language Arts Literature and Comprehension program consists of reading selections from the Classics anthology, nonfiction magazines, trade books, and other books students choose for themselves. Students listen to and read a variety of poetry, fiction, and nonfiction to develop their reading comprehension skills.

Handwriting: Students further develop their handwriting skills through Handwriting Without Tears. In Semester 1, students will work in the My Printing Book. In Semester 2, students will practice handwriting on their own.

Spelling: In Spelling, the first lesson of a unit introduces new spelling words. In the second and third lessons, the teacher and students work together to practice the spelling words introduced in the first lesson. There is an online review in Lesson 4 and an offline assessment in Lesson 5. Students will master the spelling skills needed to read and write proficiently.

Vocabulary: Vocabulary exposes students to a wide variety of words. Students learn, review, and practice words online. In the first eight lessons of each unit, students study three sets of related words. Lesson 9 of each unit is a review of all the words. The tenth lesson is always a Unit Checkpoint, testing students on all the words they studied.



English/Language Arts

English Language Arts Green (1), continued

Writing Skills: In odd-numbered units, students learn grammar, usage, and mechanics skills that will help them communicate in Standard English. The fourth lesson of each unit is an online review of the unit's skills, and the fifth lesson is an offline assessment. In even-numbered composition units, students also learn techniques for planning, organizing, and creating different kinds of writing. Each unit starts with a journal assignment that helps get students writing and generating ideas to be used in their writing assignments. The program includes rubrics and sample papers to help evaluate students' work.

Materials required: Printed items (book, workbook, etc.)

English Language Arts Orange (2)

This course provides a comprehensive and interrelated sequence of lessons for students to continue building their proficiency in literature and comprehension, writing skills, vocabulary, spelling, and handwriting.

Literature and Comprehension: A guided reading approach builds comprehension strategies and gradually transitions students to independent reading assignments. Leveled reading selections expose students to progressively new challenges, including greater length, more complex content, and new vocabulary. The emphasis is on classic literature from many cultures, poetry, and nonfiction articles. Students also make their own reading choices to help foster a lifelong love of reading.

Writing Skills: Students learn about parts of speech, usage, capitalization, and punctuation and then apply this knowledge as they write sentences and paragraphs. Students are introduced to the process of writing, as they pre-write, draft, revise, and proofread their work before sharing with others. Written products include letters, poems, literature reviews, research reports, and presentations.

Vocabulary: Students increase their vocabulary through word study, comprehension, and word analysis, then apply their knowledge in a variety of authentic contexts.

Spelling: Students continue their exploration of spelling conventions with lessons in sound-symbol relationships and patterns.

Handwriting: Handwriting Without Tears helps students develop printing skills and, if appropriate, begin cursive handwriting.

Materials required: Printed items (book, workbook, etc.)



English/Language Arts

English Language Arts Purple (3)

In this course, students receive structured lessons in the language arts, including literature and comprehension, writing skills, vocabulary, spelling, and handwriting. The purpose of these lessons is to increase reading comprehension, develop fundamental skills in oral and written communication, build vocabulary, and promote a lifelong interest in reading. This course addresses current thinking in assessment standards.

Literature and Comprehension: In this program, students read a variety of poetry, fiction, and nonfiction. The reading selections in each unit share a common theme, topic, or genre. The accompanying lessons develop students' literal and inferential comprehension skills. Students read selections from the provided materials and then work online to analyze the selections in more depth. They work offline to further evaluate the work, make connections among works and the broader world, and apply the skills that they have learned in written assignments and creative projects. Students also select books that they want to read from a list that is provided and analyze those works. In Critical Skills Practice units, students practice important test-taking skills by reading passages and answering multiple-choice questions about what they have read. These questions are similar to those found on common standardized assessments and state tests.

Handwriting: Students further develop their handwriting skills through Handwriting Without Tears. In Semester 1, students work in the Cursive Handwriting book. In Semester 2, students practice cursive on their own as they complete assigned work in other language arts programs.

Spelling: The first lesson of a unit introduces new spelling words. In the second and third lessons, you and your students practice the spelling words presented in the first lesson. These first three lessons are offline. The fourth lesson in each unit is an online review activity. Finally, the fifth lesson consists of an offline Unit Checkpoint that checks students' mastery of the spelling words. Students master the spelling skills needed to read and write proficiently.

Vocabulary: Vocabulary exposes students to a wide variety of words. Students learn, review, and practice words online. These short lessons are entirely online. In the first eight lessons of each unit, students study three sets of related words. Lesson 9 of each unit is a review of all the words. Lesson 10 is always a Unit Checkpoint, testing students on all the words they studied.

Writing Skills: Writing Skills units combine online and offline activities to teach students about grammar, usage, and mechanics, as well as how to plan, write, revise, proofread, and publish various forms of writing. For example, in Unit 4, students learn about combining sentences and strategies for writing a personal story. Most units end with an assessment of language skills, along with rubrics and sample papers to help evaluate students' writing. There are also Critical Skills Practice units that help students apply their knowledge of language, vocabulary, spelling, and writing strategies to answer questions similar to those on standardized tests, including planning and writing a response to a prompt.

Materials required: Printed items (book, workbook, etc.)



English/Language Arts

English Language Arts Red (4)

This is a comprehensive course covering reading comprehension, critical reading and analysis, composition, vocabulary, grammar, usage, and mechanics, including sentence analysis and diagramming. Structured lessons on spelling enable students to recognize base words and roots in related words. Lessons are designed to develop reading comprehension, build vocabulary, and help students become more independent readers. This course emphasizes classic literature. Additionally, students read works of nonfiction on scientific and historical topics, as well as novels they select from a long list of classics. Throughout the curriculum and in specified assessments, students practice the skills and question types they will find on many standardized tests.

Materials required: Printed items (book, workbook, etc.)

English Language Arts Yellow (5)

This course provides structured lessons on reading comprehension, critical reading and analysis, composition, vocabulary, grammar, usage, and mechanics. Through an emphasis on spelling, students learn relationships between sounds and spellings in words and affixes. Lessons are designed to develop comprehension, hone critical reading skills, build vocabulary, and help students evaluate and apply the ideas they have learned from their reading. Students practice writing as they write a memoir, editorial, research paper, business letter, and more. They learn about parts of speech, punctuation, and research skills. Students study literature in a variety of genres, including fiction, poetry, nonfiction, drama, and novels. Students also learn to work with technology and multimedia through the short and extended projects.

Materials required: Printed items (book, workbook, etc.)

English Language Arts 3 **NEW**

Summit English Language Arts 3 provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course comprises 14 units, including two assessment units. Each unit contains workshops with one primary focus (reading, writing, or word study) for instruction and reinforcement of big ideas. In reading workshops, students read both classic and contemporary works independently in different genres and formats—fiction, poetry, drama, nonfiction, and magazines—before exploring each text through various activities. In writing workshops, students study writing models and then use the writing process to write a variety of compositions. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns necessary to be fluent, proficient readers, writers, and spellers.

[Available on the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.)



English/Language Arts

English Language Arts 4

English Language Arts 4 Summit provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course is made up of 12 units. Each unit contains workshops that center on one primary focus (reading, writing, or word study) for instruction and reinforcement of big ideas. In reading workshops, students read independently in a variety of genres and formats—fiction, poetry, drama, nonfiction, and magazines—before exploring each text through various activities. In writing workshops, students analyze model writing samples and then work through the writing process to develop original compositions. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns necessary to be fluent, proficient readers, writers, and spellers.

[Available on the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.)

English Language Arts 5

English Language Arts 5 Summit provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course is made up of 12 units. Each unit contains workshops that center on one primary focus (reading, writing, or word study) for instruction and reinforcement of big ideas. In reading workshops, students read independently in a variety of genres and formats—fiction, poetry, drama, nonfiction, magazines, and graphic novels—before exploring each text through various activities. In writing workshops, students analyze model writing samples and then work through the writing process to develop original compositions. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns necessary to be fluent, proficient readers, writers, and spellers.

[Available on the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.)



Math

Math Plus Blue (K)

This course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course introduces students to numbers through 30. Students learn through reading, writing, counting, comparing, ordering, adding, and subtracting. They experience problem-solving and encounter early concepts in place value, time, length, weight, and capacity. They learn to gather and display simple data. Students also study two- and three-dimensional figures—they identify, sort, and study patterns and relate mathematical figures to objects in their environment.

Materials required: Math hands-on tools

Math Plus Green (1)

This course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging course features new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course extends students' work with place value to numbers through 100, emphasizing fluency of addition and subtraction facts, and focusing on number sentences and problem-solving with addition and subtraction. Students begin work with money, telling time, ordering events, and measuring length, weight, and capacity with nonstandard units. Students identify attributes of geometric figures and also extend their work with patterns and data, including representing and comparing data.

Materials required: Math hands-on tools

Math Plus Orange (2)

This course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging lessons feature new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course focuses primarily on number concepts, place value, and addition and subtraction of numbers through 1,000. Particular emphasis is given to problem-solving, inverse operations, properties of operations, decomposition of numbers, and mental math. Students study money, time, and measurement; geometric figures; analyzing and displaying data with new representations; and determining the range and mode of data. Early concepts about multiplication, division, and fractions are introduced.

Materials required: Math hands-on tools



Math

Math Plus Purple (3)

This course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging lessons feature new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course emphasizes conceptual understanding of the mathematical operations: addition, subtraction, multiplication, and division. Students make connections between the operations and practice through problem-solving to achieve fluency. The use of problem-solving and representing problem situations with equations, which include symbols for unknown values, introduces algebraic thinking. The course addresses fractions through multiple representations, as well as solving real-world problems, giving students the ability to connect the use of fractions with problem situations in a way that makes sense and creates deeper understanding. The course addresses geometry and measurement through introductory work on perimeter, area, and attributes of two-dimensional geometric figures, and by applying measuring techniques to solving problems involving time, length, capacity, and mass. Throughout the course, problem-solving connects individual mathematical skills and concepts in a useful and in-depth way. This course includes standards-based tasks, digital literacy skills, and assessment questions.

Materials required: Math hands-on tools

Math Plus Red (4)

This course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging lessons feature new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course continues to emphasize the understanding of numbers and operations. There is a focus on computational fluency in addition, subtraction, multiplication, and division of whole numbers. The course enhances fluency of operations through application in the solving of measurement, geometry, and data analysis problems using mathematical problem-solving techniques. Students make connections between fraction and decimal representations of numbers. Students study equivalences and relationships between fractions and decimals on the number line and with other models. Students develop algebraic thinking as they work with variables and formulas to solve multi-step word problems and as they study patterns and rules. They extend their knowledge of geometry through a more in-depth classification of shapes and work with lines, angles, and rotations; and through the connection of geometric concepts to measurement and problem-solving. This course includes standards-based tasks, digital literacy skills, and assessment questions.

Materials required: Math hands-on tools

Math Plus Yellow (5)

This course focuses on computational fluency, conceptual understanding, and problem-solving. The engaging lessons feature new graphics, learning tools, and games; adaptive activities that help struggling students master concepts and skills before moving on; and more support for Learning Coaches to guide their students to success. This course builds on student understanding of numbers and operations by making connections between place value, decimals, and fractions; introducing multiplication and division of decimal numbers; and extending understanding of fraction operations. The course focuses on computational fluency in multiplication and division of whole numbers through the use of standard algorithms.

Materials required: Math hands-on tools



Math

Math 3 **NEW**

Summit Math 3 is designed to support the true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 3 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 3 focuses on reviewing patterns and number sense; discovering addition, subtraction, multiplication, and division strategies; exploring shapes and calculating area; learning about fractions and equivalent fractions; measuring time, length, liquid volume, and mass; and exploring and making data displays.

[Available on the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.) and math hands-on tools

Math 4 **NEW**

Summit Math 4 is designed to support the true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 4 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 4 focuses on expanding understanding of operations with whole numbers, developing a greater understanding of fractions, discovering decimals and their relationship to fractions, and exploring geometric figures.

[Available on the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.) and math hands-on tools

Math 5 **NEW**

Summit Math 5 is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 5 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 5 focuses on expanding understanding of operations with fractions, developing a greater fluency with operations with multi-digit numbers, expanding understanding of decimals, and learning to perform operations with decimals, learning about the coordinate plane, and exploring volume.

[Available on the Online School platform only.](#)

Materials required: Printed items (book, workbook, etc.) and math hands-on tools



Science

Science K

Kindergarten students begin to develop observation skills as they learn about the five senses, the composition of the earth, and the basic needs of plants and animals. Students also explore topics such as measurement (size, height, length, weight, capacity, and temperature), matter (solid, liquid, and gas), the seasonal cycle, our earth (geography, taking care of the planet), motion (pushes and pulls, magnets), and astronomy (Earth, Sun, Moon, and stars; exploring space; astronauts Neil Armstrong and Sally Ride).

Materials required: Printed items (book, workbook, etc.) and science lab materials

Science 1

Students learn to perform experiments, record observations, and understand how scientists see the natural world. They germinate seeds to observe plant growth, and make a weather vane. Students also explore topics such as matter (states of matter, mixtures, and solutions), weather (cloud formation, the water cycle), animal classification and adaptation (insects, amphibians, birds, and mammals), habitats (forests, deserts, rain forests), the oceans (waves and currents, coasts, coral reefs), light (how it travels, reflections, and inventor Thomas Edison), plants (germination, functions of roots, stems), and the human body.

Materials required: Printed items (book, workbook, etc.) and science lab materials

Science 2

Students perform experiments to develop skills of observation and analysis and learn how scientists understand our world. They demonstrate how pulleys lift heavy objects, make a temporary magnet and test its strength, and analyze the parts of a flower. Students explore topics such as the metric system (liters and kilograms), force (motion and simple machines, physicist Sir Isaac Newton), magnetism (magnetic poles and fields, how a compass works), sound (how sounds are made, inventor Alexander Graham Bell), the human body (cells, the digestive system), and geology (layers of the earth, kinds of rocks, weathering).

Materials required: Printed items (book, workbook, etc.) and science lab materials

Science 3

Students learn to observe and analyze through hands-on experiments and gain further insight into how scientists understand our world. They observe and chart the phases of the moon, determine the properties of insulators and conductors, and make a three-dimensional model of a bone. Students explore topics such as weather (air pressure, precipitation, clouds, humidity, fronts, and forecasting), vertebrates (features of fish, amphibians, reptiles, birds, and mammals), ecosystems (climate zones, tundra, forests, desert, grasslands, freshwater, and marine ecosystems), matter (phase changes, volume, mass, atoms), the human body, energy, light, and astronomy.

Materials required: Printed items (book, workbook, etc.) and science lab materials



Science

Science 4

Students develop scientific reasoning and perform hands-on experiments in the earth, life, and physical sciences. They construct an electromagnet, identify minerals according to their properties, use chromatography to separate liquids, and assemble food webs. Students explore topics such as the interdependence of life; plant and animal interactions; chemistry; forces and fluids; the human body; the nervous system; invertebrates; electricity and magnetism; rocks and minerals; weathering, erosion, and deposition; the fossil record and the history of life; and the Paleozoic, Mesozoic, and Cenozoic eras.

Materials required: Printed items (book, workbook, etc.) and science lab materials

Science 5

Students perform experiments, develop scientific reasoning, and recognize science in the world around them. They build a model of a watershed, test how cell membranes function, track a hurricane, and analyze the effects of gravity. Students explore topics such as water resources (aquifers, watersheds, and wetlands), the oceans (currents, waves, tides, the ocean floor), the earth's atmosphere (weather patterns, maps, forecasts, fronts), motion and forces (pushes or pulls, position and speed, gravity), chemistry (structure of atoms, elements, and compounds), cells and cell processes, the taxonomy of plants and animals, and animal physiology.

Materials required: Printed items (book, workbook, etc.) and science lab materials



History and Social Sciences

History K

This beginning course teaches the basics of world geography through a storybook tour of the seven continents, and provides an introduction to American history and civics through a series of biographies of famous Americans. Supplementary lessons introduce students to symbols that represent American freedom; the laws, rights, and responsibilities of citizens; the cultures and traditions of the United States; and basic economic concepts.

Materials required: Printed items (book, workbook, etc.)

History 1

History 1 kicks off a program that, spanning the elementary grades, provides an overview of world geography and history from the Stone Age to the Space Age. This course takes students through the age of classical civilizations. Supplementary lessons focus on concepts in economics and citizenship.

Materials required: Printed items (book, workbook, etc.)

History 2

History 2 continues a program that spans the elementary grades, exploring world geography and history from the Stone Age to the Space Age. This course focuses on the time from ancient Rome to the later Middle Ages. Supplementary lessons focus on concepts in economics and citizenship.

Materials required: Printed items (book, workbook, etc.)

History 3

History 3 continues a program that spans the elementary grades, exploring world geography and history from the Stone Age to the Space Age. This course focuses on the period from the Renaissance through the American Revolution. Supplementary lessons focus on concepts in economics and citizenship.

Materials required: Printed items (book, workbook, etc.)

History 4

History 4 concludes a program that spans the elementary grades, exploring world geography and history from the Stone Age to the Space Age. This course focuses on the period from the Scientific Revolution to modern times. Supplementary lessons focus on concepts in economics and citizenship.

Materials required: Printed items (book, workbook, etc.)



History and Social Sciences

Early American History (Grade 5)

The first half of a detailed two-year survey of the history of the United States, this course takes students from the arrival of the first people in North America through the Civil War and Reconstruction. Lessons integrate topics in geography, civics, and economics. The course guides students through critical episodes in the story of America. Students investigate Native American civilizations; follow the path of European exploration and colonization; assess the causes and consequences of the American Revolution; examine the Constitution and the growth of the new nation; and analyze what led to the Civil War and its aftermath.



World Languages

Chinese 1 Exposure (Grades K-2) (Middlebury Interactive Languages)

This introductory Chinese course, designed specifically for young students, provides an engaging, interactive experience for a student's first exposure to the Chinese language. The content for each unit is based on an authentic story, myth, or legend from Chinese-speaking cultures to introduce students to language and culture. This course focuses primarily on vocabulary acquisition, listening, and speaking through stories, games, songs, and practice activities. Students are exposed to Chinese language and Chinese-speaking cultures in a fun environment where they can explore meanings and begin to express themselves through simple words and phrases.

[Available on the OLS and CAP Direct platforms only.](#)

Chinese 1 Exposure (Grades 3-5) (Middlebury Interactive Languages)

This introductory Chinese course provides a fun and interactive introduction to the Chinese language. The content for each unit is based on an authentic story, myth, or legend from Chinese culture. Although the course focuses on vocabulary acquisition, basic grammar principles are intuitively grasped through stories, games, activities, and assessments. In addition, students learn to perform simple tasks in connection with each unit's theme. Students will become comfortable with the sounds and rhythms of Chinese. They learn simple Chinese characters; and begin to read, write, speak, and listen for meaning in Chinese while learning more about Chinese culture.

[Available on the OLS and CAP Direct platforms only.](#)

French 1 Exposure (Grades K-2) (Middlebury Interactive Languages)

This introductory French course, designed specifically for young learners, provides an interactive experience for an elementary school student's first exposure to the French language. The content for each unit is based on an authentic story, myth, or legend from French-speaking cultures. This course focuses principally on vocabulary acquisition, listening, and speaking through stories, games, songs, and practice activities to give students an introduction to language and culture. Through this engaging elementary course, students can explore meanings and begin to express themselves through simple words and phrases, building a foundation for lifelong language study.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisite: None

French 1 Exposure (Grades 3-5) (Middlebury Interactive Languages)

This introductory French course provides an interactive experience for a student's first exposure to the French language. The content for each unit is based on an authentic story, myth, or legend from various French-speaking cultures. Although the course focuses on vocabulary acquisition, basic grammar principles are intuitively grasped through stories, games, activities, songs, and assessments. In addition, students learn to perform simple tasks in connection with each unit's theme. Students engage in language learning in a rewarding, low-stress environment, and they become comfortable with the sounds and rhythms of French. They learn simple French phrases; begin to read, write, speak, and listen for meaning in French; and recognize distinctive practices and customs of French-speaking cultures.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisite: None



World Languages

French 2 (Grades 3-5) (Middlebury Interactive Languages)

Students continue on the path to language proficiency during their second year of Elementary French 2. Each week's content is based on an immersive story of adventure, which runs throughout the course, with weekly episodes beginning in English. Although the course focuses primarily on vocabulary acquisition, basic grammar principles are intuitively grasped through stories, games, activities, and assessments. Approximately every fourth week, students listen to and learn a simple French folk song, lullaby, or traditional song. Through multi-media CultureGrams™, lessons are presented covering cultural aspects of major French-speaking areas in Europe and across the globe. Through the course, students expand their listening and reading comprehension with more than 600 vocabulary words and grow in their ability to read, write, speak, and listen for meaning in basic French.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisite: Elementary French 1 (or equivalent)

German 1 Exposure (Grades 3-5) (Middlebury Interactive Languages)

This introductory German course provides an interactive experience for a student's first exposure to the German language. The content for each unit is based on an authentic story, myth, or legend from various German-speaking cultures. Although the course focuses on vocabulary acquisition, basic grammar principles are intuitively grasped through stories, games, activities, songs, and assessments. Through the course, students learn simple German phrases; begin to read, write, speak, and listen for meaning in German; and recognize distinctive practices and customs of German-speaking cultures.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisite: None

Spanish 1 Exposure (Grades K-2) (Middlebury Interactive Languages)

This introductory Spanish course, designed specifically for younger students, provides a fun, interactive experience for a student's first exposure to the Spanish language. The content for each unit is based on an authentic story, myth, or legend from Spanish-speaking cultures. This course focuses principally on vocabulary acquisition through stories, games, songs, and practice activities to start students on a path to language proficiency. Students are exposed to Spanish language and Spanish-speaking cultures in a fun environment where they can explore meanings and begin to express themselves through simple words and phrases.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisite: None



World Languages

Spanish 1 Exposure (Grades 3-5) (Middlebury Interactive Languages)

This introductory Spanish course provides a fun, engaging experience for a student's first exposure to the Spanish language in an interactive setting. The content for each unit is based on an authentic story, myth, or legend from various Spanish-speaking cultures. Although the course focuses principally on vocabulary acquisition, basic grammar principles are intuitively grasped through stories, games, activities, songs, and assessments. In addition, students learn to perform simple tasks in connection with each unit's theme. Students begin to acquire tangible language skills in a supportive environment; gain familiarity with the sounds and rhythms of Spanish; learn simple Spanish phrases; begin to read, write, speak, and listen for meaning in Spanish; and recognize distinctive practices of Spanish-speaking cultures.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisite: None

Spanish 2 Exposure (Grades K-2) (Middlebury Interactive Languages)

This second level of the introductory Spanish course continues the exploration of the language through an immersive, fun, and interactive experience designed for younger learners. In each unit, students are immersed in a different world where they meet unique characters who send them on a series of engaging tasks to acquire the vocabulary, learn the culture, and further their acquisition of basic Spanish skills. The content and characters for each unit are based on an authentic story, myth, or legend from Spanish-speaking cultures as well as an authentic song, a karaoke, and a culture video. This second-level introductory course continues the focus on vocabulary acquisition and expression through simple words and phrases.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisite: Elementary Spanish I

Spanish 2 (Grades 3-5) (Middlebury Interactive Languages)

Students continue their language-learning adventure during their second year of Elementary Spanish 2. The content for each unit provides a fun and interactive experience for students and is based on an authentic story, myth, or legend from various Spanish-speaking cultures. Although the course focuses primarily on vocabulary acquisition, basic grammar principles are intuitively grasped through stories, games, activities, songs, and assessments. In addition, students learn to perform simple tasks in connection with each unit's theme. Through the interactive course, students engage in language learning in a rewarding, low-stress environment; become familiar with the sounds and rhythms of the Spanish language; expand their listening and reading comprehension, as well as their ability to read, write, speak, and listen for meaning in basic Spanish; and learn about distinctive cultural practices of various Spanish-speaking countries.

[Available on the OLS and CAP Direct platforms only.](#)

Prerequisites: Elementary Spanish 1 (or equivalent)



Electives

Art K

Students are introduced to the elements of art—line, shape, color, and more. They learn about portraits and landscapes, and realistic and abstract art. Students learn about important paintings, sculpture, and architecture; study the works and lives of artists such as Matisse, Miró, Rembrandt, Hiroshige, Cézanne, Picasso, and Faith Ringgold; and create artworks similar to works they learn about, using many materials and techniques. For example, students create brightly colored paintings inspired by Matisse and make mobiles inspired by Alexander Calder.

Materials required: Printed items (book, workbook, etc.) and art supplies

Art 1

Art 1 lessons include an introduction to the art and architecture of different cultures such as Mesopotamia and ancient Egypt, Greece, and China. Students identify landscapes, still lifes, and portraits; study elements of art such as line, shape, and texture; and create art similar to the works they learn about, using many materials and techniques. For example, inspired by Vincent van Gogh’s *The Starry Night*, students paint a starry landscape using bold brushstrokes and make clay sculptures inspired by a bust of Queen Nefertiti and the Great Sphinx.

Materials required: Printed items (book, workbook, etc.) and art supplies

Art 2

Art 2 lessons include an introduction to the art and architecture of ancient Rome, medieval Europe, the Islamic Empire, Mexico, Africa, China, and Japan. Students examine elements of art and principles of design such as line, shape, pattern, and more; study and create self-portraits, landscapes, sculptures, and more; and create artworks similar to works they learn about, using many materials and techniques. For example, after studying Winslow Homer’s *Snap the Whip*, students paint a narrative landscape, and they design stained glass windows inspired by the Notre Dame Cathedral in Paris.

Materials required: Printed items (book, workbook, etc.) and art supplies

Art 3

Art 3 lessons include an introduction to the art and architecture of the Renaissance throughout Europe, including Italy, Russia, and northern Europe. Students also investigate artworks from Asia, Africa, and the Americas created during the same period. Students extend their knowledge of elements of art and principles of design—such as form, texture, and symmetry—and draw, paint, and sculpt a variety of works, including self-portraits, landscapes, and still-life paintings. For example, after studying da Vinci’s *Mona Lisa*, students use shading in their drawings and make prints showing the features and symmetry of the Taj Mahal.

Materials required: Printed items (book, workbook, etc.) and art supplies



Electives

Art 4

Lessons include an introduction to the artists, cultures, and great works of art and architecture from the French and American revolutions through modern times. Students study and create artworks in various media, including portraits, quilts, sculpture, collages, and more; investigate the art of the United States, Europe, Japan, Mexico, and Africa; learn about impressionism, cubism, art nouveau, and regionalism; and create artworks inspired by works they learn about, using many materials and techniques. For example, after studying sculptures and paintings of ballerinas by Edgar Degas, students create their own clay sculptures of a figure in motion.

Materials required: Printed items (book, workbook, etc.) and art supplies

Early American Art (Grade 5)

Early American Art includes an introduction to the artists, cultures, and great works of art and architecture of North America, from pre-Columbian times through 1877. Students study and create various works, both realistic and abstract, including sketches, masks, architectural models, prints, and paintings; investigate the art of the Native Americans, and Colonial and Federal America; and create artworks inspired by works they learn about, using many materials and techniques. For example, after studying John James Audubon's extraordinary paintings of birds, students make bird paintings with realistic color and texture.

Materials required: Printed items (book, workbook, etc.) and art supplies

K-5 Intro to Online Learning

Families begin the school year with an Intro to Online Learning course. The course provides an overview of each curriculum area so students and Learning Coaches can familiarize themselves with the philosophy behind the curriculum methodology and overall course organization. The lessons are interactive and include actual animations or graphics that are used in the courses themselves. By the end of the course, students will be fully prepared to begin their lessons in the online school.

[Available on the Online School platform only.](#)

Physical Education K-2

Young students learn the basics of how their bodies grow and work. They also learn about how to stay safe when crossing a street. The Summit PE K-2 program engages students in activities that teach them how to live a healthy and safe life. Each lesson provides instructions and a material list for completing the activities.

Physical Education 3

Healthy, active adults started as active children. It is important for children to engage in daily physical activity. The old saying, "Strong minds, strong bodies," still holds true. To get fit and stay fit, children need to exercise regularly. It's work—but it's also fun! The Summit PE 3 program engages students in activities that reinforce basic physical skills and improve overall fitness levels. Each lesson provides a schedule of instructions for five days of activities.



Electives

Physical Education 4

Healthy, active adults started as active children. It is important for children to engage in daily physical activity. The old saying, “Strong minds, strong bodies,” still holds true. To get fit and stay fit, children need to exercise regularly. It’s work—but it’s also fun! The Summit PE 4 program engages students in activities that reinforce basic physical skills and improve overall fitness levels. Each lesson provides a schedule of instructions for five days of activities.

Physical Education 5

Healthy, active adults started as active children. It is important for children to engage in daily physical activity. The old saying, “Strong minds, strong bodies,” still holds true. To get fit and stay fit, children need to exercise regularly. It’s work—but it’s also fun! The Summit PE 5 program engages students in activities that reinforce basic physical skills and improve overall fitness levels. Each lesson provides a schedule of instructions for five days of activities.

Spotlight on Music Kindergarten

Explore and build foundational music skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, and authentic sound recordings. Music comes to life in the course through six units 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. Students explore music from around the world while also examining beat, meter, rhythm, melody, harmony, texture, form, tone color, dynamics, tempo, style, and music background. Students also have the opportunity to perform seasonal and celebratory songs.

[Available on the Online School platform only.](#)

Materials required: Music supplies

Spotlight on Music Grade 1

Explore and build foundational music skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, and authentic sound recordings. Music comes to life in the course through six units 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. Students explore music from around the world while also examining beat, meter, rhythm, melody, harmony, texture, form, dynamics, tempo, style, and music background. Students also have the opportunity to perform seasonal and celebratory songs.

[Available on the Online School platform only.](#)

Materials required: Music supplies



Electives

Spotlight on Music Grade 2

Explore and build foundational music skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, and authentic sound recordings. Music comes to life in the course through six units 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. Students explore music from around the world while also examining beat, meter, rhythm, melody, harmony, texture, form, dynamics, tempo, style, and music background. Students also have the opportunity to perform seasonal and celebratory songs.

[Available on the Online School platform only.](#)

Materials required: Music supplies

Spotlight on Music Grade 3

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 a 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, dynamics, tempo, articulation, style, and music background. Students apply the music skills they are learning while performing seasonal and celebratory songs.

[Available on the Online School platform only.](#)

Materials required: Music supplies.

Spotlight on Music Grade 4

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, dynamics, tempo, articulation, style, and music background. Students apply the music skills they are learning while performing seasonal and celebratory songs.

[Available on the Online School platform only.](#)

Materials required: Music supplies



Electives

Spotlight on Music Grade 5

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, dynamics, tempo, articulation, style, and music background. Students apply the music skills they are learning while performing seasonal and celebratory songs.

[Available on the Online School platform only.](#)

Materials required: Music supplies



844.638.3533

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