CourseTitle	CourseID	Description
3D Art I- Modeling	TCH017	This course introduces students to 3D modeling tools and concepts. Using Blender, the popular open-source 3D modeling package, students learn the basics of creating shapes, adding textures and lighting, and rendering. By the end of the course, students produce a series of increasingly sophisticated projects for their 3D portfolio.
3D Art II- Animation	TCH018	In this advanced course, students build on the skills they developed in 3D Art I to learn 3D animation techniques. Using Blender, a powerful open-source modeling tool, students master the basics of animation—rigging, bones, and movement—while learning how to apply traditional animation techniques to their 3D models.
Achieving Your Career and College Goals	OTH-050V1-K	Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice, and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job. This course is geared toward 11th and 12th graders. Course length: One semester Materials: None Prerequisites: None

Algebra I Core - Semester 1	MTH-122AV1-K	In this course, students explore the tools of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; solve systems of linear equations; use ratios, proportions, and percentages to solve problems; use algebraic applications in geometry, including the Pythagorean theorem and formulas for measuring area and volume; complete an introduction to polynomials; and understand logic and reasoning. This is a core level course.
Algebra I Core - Semester 2	MTH-122BV1-K	In this course, students explore the tools of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; solve systems of linear equations; use ratios, proportions, and percentages to solve problems; use algebraic applications in geometry, including the Pythagorean theorem and formulas for measuring area and volume; complete an introduction to polynomials; and understand logic and reasoning. This is a core level course.

Algebra I CR - Semester 1	MTH-126AVSG1-K	In this course, students explore the tools of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; solve systems of linear equations; use ratios, proportions, and percentages to solve problems; use algebraic applications in geometry, including the Pythagorean theorem and formulas for measuring area and volume; complete an introduction to polynomials; and understand logic and reasoning. This is a core level course.
Algebra I CR - Semester 2	MTH-126BVSG1-K	In this course, students explore the tools of algebra. Students learn to identify the structure and properties of the real number system; complete operations with integers and other rational numbers; work with square roots and irrational numbers; graph linear equations; solve linear equations and inequalities in one variable; solve systems of linear equations; use ratios, proportions, and percentages to solve problems; use algebraic applications in geometry, including the Pythagorean theorem and formulas for measuring area and volume; complete an introduction to polynomials; and understand logic and reasoning. This is a core level course.

Algebra I Honors - Semestster 1	MTH-124AV2-K	This course prepares students for more advanced courses while they develop algebraic fluency, learn the skills needed to solve equations, and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions, exponents, and radicals; work with integers, rational numbers, and irrational numbers; and graph and solve equations, inequalities, and systems of equations. They learn to determine whether a relation is a function and how to describe its domain and range; use factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulate and evaluate valid mathematical arguments using various types of reasoning; and translate word problems into mathematical equations and then use the equations to solve the original problems. This course includes all the topics in MTH123, but has more challenging assignments and includes more optional challenge activities. Each semester also includes an independent honors project.

Algebra I Honors - Semestster 2	MTH-124BV2-K	This course prepares students for more advanced courses while they develop algebraic fluency, learn the skills needed to solve equations, and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions, exponents, and radicals; work with integers, rational numbers, and irrational numbers; and graph and solve equations, inequalities, and systems of equations. They learn to determine whether a relation is a function and how to describe its domain and range; use factoring, formulas, and other techniques to solve quadratic and other polynomial equations; formulate and evaluate valid mathematical arguments using various types of reasoning; and translate word problems into mathematical equations and then use the equations to solve the original problems. This course includes all the topics in MTH122, but has more challenging assignments and includes more optional challenge activities. Each semester also includes an independent honors project. This course prepares students for more advanced courses while they develop algebraic fluency, learn the skills needed to solve equations, and perform manipulations with numbers, variables, equations, and inequalities. They also learn concepts central to the abstraction and generalization that algebra makes possible. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions

Algebra II Core - Semester 1	MTH-302AV1-K	This course builds upon algebraic concepts covered in Algebra. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, inverse functions, advanced polynomial functions, and conic sections. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; data analysis; and matrices. Course length: Two semesters or 180 hours of instruction Materials: Algebra II: A Reference Guide and Problem Sets Prerequisites: Successful completion of Algebra I and Geometry
Algebra II Core - Semester 2	MTH-302BV1-K	This course builds upon algebraic concepts covered in Algebra. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, inverse functions, advanced polynomial functions, and conic sections. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; data analysis; and matrices.
Algebra II CR - Semester 1	MTH-306AVG1-K	Students are able to gain credit if they have previously completed this course but did not successfully earn credit. For each unit, students take a diagnostic test that assess their current knowledge of fundamental content. The results of these tests help students create individualized study plans.
Algebra II CR - Semester 2	MTH-306BVG1-K	Students are able to gain credit if they have previously completed this course but did not successfully earn credit. For each unit, students take a diagnostic test that assess their current knowledge of fundamental content. The results of these tests he

Algebra II Honors - Semester 1	MTH-304AV1-K	This course builds upon algebraic concepts covered in Algebra I and prepares students for advanced-level courses. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, inverse functions, advanced polynomial functions, and conic sections. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; data analysis; and matrices. This course includes all the topics in MTH303, but has more challenging assignments and includes more optional challenge activities. Each semester also includes an independent honors project. This course requires the use of a graphing calculator equivalent to a TI-84 and includes tutorials and activities for using a handheld graphing calculator.
Algebra II Honors - Semester 2	MTH-304BV1-K	This course builds upon algebraic concepts covered in Algebra I and prepares students for advanced-level courses. Students extend their knowledge and understanding by solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, inverse functions, advanced polynomial functions, and conic sections. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; data analysis; and matrices. This course includes all the topics in MTH302, but has more challenging assignments and includes more optional challenge activities. Each semester also includes an independent honors project. This course requires the use of a graphing calculator equivalent to a TI-84 and includes tutorials and activities for using a handheld graphing calculator.

American Art A	VA6F1	Following the timeline of the K12 History program, Intermediate Art: American A introduces students to the artists, cultures, and great works of art and architecture of North America, from pre-Columbian times through 1877. Students will: • Study and create various works, both realistic and abstract, including sketches, masks, architectural models, prints, and paintings • Investigate the arts of the American Indians, and Colonial and Federal America • Create artworks inspired by works they learn about, using many materials and techniques—after studying John James Audubon's extraordinary paintings of birds, students make bird paintings with realistic color and texture, and they make weavings inspired by the colors and patterns of Navajo blankets

American Art B	VA7F1	Following the time line of the K12's History program (American History Since 1865), Intermediate Art: American B introduces students to the artists, cultures, and great works of art and architecture of North America, from the end of the Civil War through modern times. Students will: • Study and create various works, from realistic to abstract to nonrepresentational, including prints, clay sculptures, architectural models, and paintings • Investigate paintings in various styles, from Impressionistic to Pop. They learn about modern sculpture and folk art, and how photographers and painters have inspired one another. They examine examples of modern architecture, from skyscrapers to art museums • Create artworks inspired by works they learn about, using many materials and techniques—after studying cityscapes by Edward Hopper and Stuart Davis, students make cityscapes with bold colors and shapes; and they make models of monumental sculpture inspired by Alexander Calder's sculpture

American History A	CALMS1108	In this program, students undertake the first course in a two-year detailed survey of the history of the United States. Building on the award-winning series from Oxford University Press, A History of US, K12's online lessons and assessments guide students through critical episodes in the story of America. Students will: • Study the development of various Native American civilizations • Learn about European exploration and the growth of the thirteen colonies • Investigate in detail the causes and consequence of the American Revolution • Examine the Constitution and the growth of the new nation • Become familiar with Jacksonian democracy, westward expansion, and Manifest Destiny • Study the causes and consequences of the Civil War
American History B	CALMS144	American History Since 1865 is the second and concluding course in a two-year survey of American history, with integrated topics in geography, civics, and economics. This course takes students from the post-Civil War era to recent times.

American Literature Core CR - Semester 1	ENG-306AVG1-K	In this genre-based course, students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing memoirs, persuasive essays, research essays, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important themes in American literature. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays including memoirs, persuasive and research essays, and workplace documentation. Students plan, organize, and revise their essays in response to feedback.

American Literature Core - Semester 1	ENG-302AV1-K	In this genre-based course, students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing memoirs, persuasive essays, research essays, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important themes in American literature. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays including memoirs, persuasive and research essays, and workplace documentation. Students plan, organize, and revise their essays in response to feedback.

American Literature Core - Semester 2	ENG-302BV1-K	In this genre-based course, students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing memoirs, persuasive essays, research essays, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important themes in American literature. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays including memoirs, persuasive and research essays, and workplace documentation. Students plan, organize, and revise their essays in response to feedback.

American Literature Core CR - Semester 2	ENG-306BVG1-K	In this genre-based course, students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing memoirs, persuasive essays, research essays, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important themes in American literature. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays including memoirs, persuasive and research essays, and workplace documentation. Students plan, organize, and revise their essays in response to feedback.
American Literature Honors - Semester 1	ENG-304AV1-K	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 will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

American Literature Honors - Semester 2	ENG-304BV1-K	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 will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.
Anthropology	HST-010V1-C	Anthropology is the study of human beings and their social, environmental, and cultural relationships over time. In this course, students familiarize themselves with their own culture as they explore cultures from around the world and from different periods in history. Students examine each culture through the lens of family, land, death, identity, and power to explore the similarities and differences of cultural roles in various times and places.

AP Art History	ART-500AV1-AVT	This course is designed to foster in students an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. In addition to visual analysis, this course emphasizes understanding works in context, considering such issues as patronage, gender and the functions and effects of works of art. Prior art training is not a prerequisite nor does the course cater exclusively to future Art History majors. This course was designed to meet the requirements of the Advanced Placement Art History requirements precisely. Course length: Two semesters Required Texts:Gardner's Art Through the Ages, 12th Edition (fred S. Kleiner, Christin J. Mamiya)
AP Art History	ART-500BV1-AVT	This course is designed to foster in students an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. In addition to visual analysis, this course emphasizes understanding works in context, considering such issues as patronage, gender and the functions and effects of works of art. Prior art training is not a prerequisite nor does the course cater exclusively to future Art History majors. This course was designed to meet the requirements of the Advanced Placement Art History requirements precisely. Course length: Two semesters Required Texts:Gardner's Art Through the Ages, 12th Edition (fred S. Kleiner, Christin J. Mamiya)

AP Biology - Semester 1	SCI-500AV2-K	This course is designed in three modules with correlating laboratory exercises: molecules and cells, heredity and the theory of evolution, and organisms and populations. Within these modules, students learn about energy transfer, continuity and change in the biological world, and relations between the structure and function of living things. They also analyze the interdependence of the elements of nature and the ways in which science must seek to preserve a balance between technology and nature. Students prepare for the AP® Exam by modeling the thought processes and critical-thinking skills required to answer questions on the exam. The content aligns to the sequence of topics recommended by the College Board.
AP Biology - Semester 2	SCI-500BV2-K	This course is designed in three modules with correlating laboratory exercises: molecules and cells, heredity and the theory of evolution, and organisms and populations. Within these modules, students learn about energy transfer, continuity and change in the biological world, and relations between the structure and function of living things. They also analyze the interdependence of the elements of nature and the ways in which science must seek to preserve a balance between technology and nature. Students prepare for the AP® Exam by modeling the thought processes and critical-thinking skills required to answer questions on the exam. The content aligns to the sequence of topics recommended by the College Board.

AP Calculus AB - Semester 1	MTH-500AV2-K	This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP® Exam and further studies in science, engineering, and mathematics. Course length:One semester Materials: A Texas Instruments T1-84 Plus graphing calculator Prerequisites: Success in MTH202: Geometry, MTH302: Algebra II, MTH402: Pre-Calculus/Trigonometry, and a teacher/ counselor recommendation
AP Calculus AB - Semester 2	MTH-500BV2-K	This course is the equivalent of an introductory college-level calculus course. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP® Exam and further studies in science, engineering, and mathematics. Course length:One semester Materials: A Texas Instruments T1-84 Plus graphing calculator Prerequisites: Success in MTH202: Geometry, MTH302: Algebra II, MTH402: Pre-Calculus/Trigonometry, and a teacher/ counselor recommendation

AP English Language and Composition - Semester 1	ENG-500AV1-A	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 about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP® Exam and for further study in communications, creative writing, journalism, literature, and composition.
AP English Language and Composition - Semester 2	ENG-500BV1-A	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 about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn to academic, personal, and professional contexts. In this equivalent of an introductory college-level survey class, students prepare for the AP® Exam and for further study in communications, creative writing, journalism, literature, and composition.
AP Macroeconomics	HST-520V1-A	This course is the equivalent of an introductory college-level course. Students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. Students also examine how individuals and institutions are influenced by employment rates, government spending, inflation, taxes, and production. Students prepare for the AP® Exam and for further study in business, political science, and history.

AP Microeconomics	HST-530V1-A	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 how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP® Exam and for further study in business, history, and political science.
AP Psychology	HST-540V1-A	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 sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Students prepare for the AP® Exam and for further studies in Psychology and Life Sciences. Course length: One semester Materials: Psychology, by David G. Myers, 8th ed. Prerequisites: Success in SCI203: Biology and a teacher/counselor recommendation

AP U.S. Government and Politics	HST-510V1-A	This course is the equivalent of an introductory college-level course. Students explore the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students gain the analytic perspective necessary to evaluate political data, hypotheses, concepts, opinions, and processes and learn how to gather data about political behavior and develop their own theoretical analysis of American politics. Students also build the skills they need to examine general propositions about government and politics, and to analyze specific relationships between political, social, and economic institutions. Students prepare for the AP® Exam and for further study in political science, law, education, business, and history.
AP U.S. History - Semester 1	HST-500AV1-A	Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP® Exam but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture. The content aligns to the sequence of topics recommended by the College Board and to widely used textbooks. Students prepare for the AP® Exam.

AP U.S. History - Semester 2	HST-500BV1-A	Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of factual information necessary to do well on the AP® Exam but also to practice skills of critical analysis of historical information and documents. Students read primary and secondary source materials and analyze problems presented by historians to gain insight into challenges of interpretation and the ways in which historical events have shaped American society and culture. The content aligns to the sequence of topics recommended by the College Board and to widely used textbooks. Students prepare for the AP® Exam.
AP(R) Environmental Science	SCI530A-AVT	Students examine the natural world's interrelationships in AP Environmental Science. During this two-semester course, they identify and analyze environmental problems and their effects and evaluate the effectiveness of proposed solutions. They learn to think like environmental scientists as they make predictions based on observation, write hypotheses, design and complete field studies and experiments, and reach conclusions based on the analysis of resulting data. Students apply the concepts of environmental science to their everyday experiences, current events, and issues in science, politics, and society.
AP(R) Environmental Science	SCI530B-AVT	Students examine the natural world's interrelationships in AP Environmental Science. During this two-semester course, they identify and analyze environmental problems and their effects and evaluate the effectiveness of proposed solutions. They learn to think like environmental scientists as they make predictions based on observation, write hypotheses, design and complete field studies and experiments, and reach conclusions based on the analysis of resulting data. Students apply the concepts of environmental science to their everyday experiences, current events, and issues in science, politics, and society.

Art 1	VA1F1	Following the timeline of the K12 History program, first grade Art lessons introduce students to the art and architecture of different cultures, such as Mesopotamia and ancient Egypt, Greece, and China. Students will: • Identify landscapes, still-lifes, and portraits • Study elements of art, such as line, shape, and texture • Create artwork similar to works they learn about, using many materials and techniques—inspired by Vincent van Gogh's The Starry Night, students paint their own Starry landscape using bold brushstroke, and they make clay sculptures inspired by a bust of Queen Nefertiti and the Great Sphinx
Art 2	VA2F1	Following the timeline of the K12 History program, second grade Art lessons introduce students to the art and architecture of ancient Rome, medieval Europe, Islam, Mexico, Africa, China, and Japan. Students will: • Examine elements and principles of art, such as line, shape, pattern, and more • Study and create self-portraits, landscapes, sculptures, and more • Create artwork similar to works they learn about, using many materials and techniques—after studying Winslow Homer's Snap the Whip, students paint their own narrative landscape and design stained glass windows inspired by the Cathedral of Notre Dame in Paris

Art 3	VA3F1	Following the timeline of the K12 History program, third grade Art lessons introduce students to the art and architecture of the Renaissance throughout Europe, including Italy, Russia, and Northern Europe. Students will: • Extend their knowledge of elements and principles of art, such as form, texture, and symmetrical balance • Draw, paint, and sculpt a variety of works, including selfportraits, landscapes, and still life paintings • Investigate artworks from Asia, Africa, and the Americas • Create artworks inspired by works they learn about, using many materials and techniques—after studying da Vinci's Mona Lisa, students use shading in their own drawings, and they make prints showing the features and symmetry of the Taj Mahal.
Art 4	VA4F1	Following the time line of the K12 History program, fourth grade Art lessons introduce students to the artists, cultures, and great works of art and architecture from French and American Revolutions through modern times. Students will: • Study and create artworks in various media, including portraits, quilts, sculpture, collage, and more • Investigate the arts of the United States, Europe, Japan, Mexico, and Africa • Learn about Impressionism, Cubism, Art Nouveau, Regionalism, and more • Create artworks inspired by works they learn about, using many materials and techniques—after studying sculptures and paintings of ballerinas by Edgar Degas, students create their own clay sculptures of a figure in action, and, inspired by works of Grandma Moses, they create winter landscapes demonstrating the illusion of space

Art Kindergarten	VAKF1	Kindergarten students are introduced to the elements ofart—line, shape, color, and more. Students will: • Learn about important paintings, sculpture, and architecture • Study the works of artists like Henri Matisse, Joan Miró, Rembrandt van Rijn, Ando Hiroshige, Paul Cézanne, Pablo Picasso, and Faith Ringgold • Create artwork similar to works they learn about, using many materials and techniques, including brightly colored paintings inspired by Henri Matisse, and mobiles inspired by Alexander Calder.
Audio Engineering	TCH-026V1-G	In this introductory course, students learn about the physics of sound and the history of recording technologies. They learn about the four stages of professional music recording projects: recording, editing, mixing, and mastering. Using Audacity, an open-source recording and mixing program, they practice the techniques used by sound engineers to produce multitrack recordings. Through a series of engaging hands-on projects, they learn the fundamental concepts of audio engineering.
Biology Core - Semester 1	SCI-202AV1-K	In this course, students focus on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. Students follow a program of online study days alternating with review-and-assessment days. Lessons include extensive animations, hands-on laboratory activities, reference book study, and collaborative activities with virtual classmates. This is a core level course
Biology Core - Semester 2	SCI-202BV1-K	In this course, students focus on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. Students follow a program of online study days alternating with review-and-assessment days. Lessons include extensive animations, hands-on laboratory activities, reference book study, and collaborative activities with virtual classmates.

Biology CR - Semester 1	SCI-206AVG1-K	In this course, students focus on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. Students follow a program of online study days alternating with review-and-assessment days. Lessons include extensive animations, hands-on laboratory activities, reference book study, and collaborative activities with virtual classmates.
Biology CR - Semester 2	SCI-206BVSG1-K	In this course, students focus on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. Students follow a program of online study days alternating with review-and-assessment days. Lessons include extensive animations, hands-on laboratory activities, reference book study, and collaborative activities with virtual classmates.
Biology Honors - Semester 1	SCI-204AV1-K	K12 High School Honors Biology is a full year program that provides students with an honors-level, high school college-prep biology curriculum and a solid basis to move on to more advanced science courses. The program consists of standard, direct lessons presented on screen, an associated reference book, hands-on laboratory experiments students can conduct at home, and honors projects including independent research, extended and virtual laboratories, and a teamed, online debate of current science issues. The course surveys all key areas that are commonly taught in high school biology courses and gives students the basic knowledge they need to master state and local examinations. It provides them with a prerequisite for high school AP Biology and college-level courses and gives them practical experience at implementing scientific methods. The course requires 180 days of experience with the fundamentals of biological science.

Biology Honors - Semester 2	SCI-204BV1-K	K12 High School Honors Biology is a full year program that provides students with an honors-level, high school college-prep biology curriculum and a solid basis to move on to more advanced science courses. The program consists of standard, direct lessons presented on screen, an associated reference book, hands-on laboratory experiments students can conduct at home, and honors projects including independent research, extended and virtual laboratories, and a teamed, online debate of current science issues. The course surveys all key areas that are commonly taught in high school biology courses and gives students the basic knowledge they need to master state and local examinations. It provides them with a prerequisite for high school AP Biology and college-level courses and gives them practical experience at implementing scientific methods. The course requires two semseters of experience with the fundamentals of biological science.
British and World Literature Core - Semester 1	ENG-402AV1-K	This survey of British literature examines English-language literature in the British Isles and beyond. Activities explore six core areas—reading, writing, language, listening and speaking, viewing and representing, and research—using classics of British and world literature to give students meaningful practice in literacy skills. Critical-thinking skills are developed using literature, nonfiction writing, and media samples.
British and World Literature Core - Semester 2	ENG-402BV1-K	This survey of British literature examines English-language literature in the British Isles and beyond. Activities explore six core areas—reading, writing, language, listening and speaking, viewing and representing, and research—using classics of British and world literature to give students meaningful practice in literacy skills. Critical-thinking skills are developed using literature, nonfiction writing, and media samples.

British and World Literature Core CR - Semester 1	ENG-406AVG1-K	This survey of British literature examines English-language literature in the British Isles and beyond. Activities explore six core areas—reading, writing, language, listening and speaking, viewing and representing, and research—using classics of British and world literature to give students meaningful practice in literacy skills. Critical-thinking skills are developed using literature, nonfiction writing, and media samples.
British and World Literature Core CR - Semester 2	ENG-406BVG1-K	This survey of British literature examines English-language literature in the British Isles and beyond. Activities explore six core areas—reading, writing, language, listening and speaking, viewing and representing, and research—using classics of British and world literature to give students meaningful practice in literacy skills. Critical-thinking skills are developed using literature, nonfiction writing, and media samples.
British and World Literature Honors - Semester 1	ENG-404AV1-K	In K12 High School British and World Literature, students read and analyze works of British and world literature that reflect the rich and diverse history of the Western world. As students progress through centuries of literature in a loose chronological arrangement, they will see how British and world literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that extend their knowledge and deepen their understanding of the themes and ideas presented in the curriculum.

British and World Literature Honors - Semester 2	ENG-404BV1-K	In K12 High School British and World Literature, students read and analyze works of British and world literature that reflect the rich and diverse history of the Western world. As students progress through centuries of literature in a loose chronological arrangement, they will see how British and world literature has been shaped by concerns, values, and ideas that have intrigued, delighted, and challenged people throughout time. Throughout the course, poetry, short stories, novels, drama, and nonfiction provide opportunities for critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course will also complete independent projects that extend their knowledge and deepen their understanding of the themes and ideas presented in the curriculum.
C++ Programming	TCH-060V1-G	In this introductory-level course, students learn the basics of C++ programming by completing a series of hands-on projects. Using Microsoft Visual C++ Express, students learn how to write code using variables, functions, expressions, flow control statements, loops, and more. Building on these skills, students learn arrays, structs, classes, and other basic programming concepts.
Calculus	MTH-433AV1-AVT	This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integralsm and infinite series.
Calculus	MTH-433BV1-AVT	This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integralsm and infinite series.

Chemistry Core - Semester 1	SCI-302AV1-K	This course includes direct online instruction and related assessments, used with a problem-solving book. Students follow a program of online study days that alternate with review-and-assessment days. Instructions for hands-on labs are included, for which K12 provides all lab materials that cannot easily be found in the home. The course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. This is a core level course.
Chemistry Core - Semester 2	SCI-302BV1-K	This course includes direct online instruction and related assessments, used with a problem-solving book. Students follow a program of online study days that alternate with review-and-assessment days. Instructions for hands-on labs are included, for which K12 provides all lab materials that cannot easily be found in the home. The course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. This is a core level course.
Chemistry Honors - Semester 1	SCI-304AV1-K	This course gives students a solid basis to move on to more advanced courses. The course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course is expanded with more challenging model problems and assessments, and students complete additional community-based written research projects, treat aspects of chemistry that require individual research, reporting, and participate in online threaded discussions. Instructions for hands-on labs are included; K12 provides all lab materials that cannot easily be found in the home.

Chemistry Honors - Semester 2	SCI-304BV1-K	This course gives students a solid basis to move on to more advanced courses. The course surveys all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course is expanded with more challenging model problems and assessments, and students complete additional community-based written research projects, treat aspects of chemistry that require individual research, reporting, and participate in online threaded discussions. Instructions for hands-on labs are included; K12 provides all lab materials that cannot easily be found in the home.
Computer Literacy	TCH-010V2-G	Today's students must be able to effectively use technology to research, organize, create, and evaluate information. This course provides a foundation in the skills and concepts that define computer literacy in the twenty-first century. From the basics of keyboarding to Internet research techniques, document creation, and digital citizenship, students practice essential skills through individual and team projects.
Computer Science	TCH-036V1-G	This course introduces students to computer science concepts such as computer architecture, networks, and the Internet. Students use object-oriented programming, event-driven processes, modular computer programming, and data manipulation algorithms to produce finished software programs. They use the design process to create many programs by determining specifications, designing the software, and testing and improving the product until it meets the specifications. By the end of this course, students will have a solid foundation for further study in this subject.

Consumer Math Semester 2	MTH-322BV1-AVT	Students can apply this comprehensive review and study of arithmetic skills to both personal and vocational business opportunities. Topics include whole numbers, fractions, percentages, basic statistics, and graphs. Students are shown practical applications for what they have learned in their personal lives, including home and car ownership, wages and taxes, budgeting, banking, and credit. Course length: One semester Materials:None Prerequisites: None
Consumer Math Semester I	MTH-322AV1-AVT	Students can apply this comprehensive review and study of arithmetic skills to both personal and vocational business opportunities. Topics include whole numbers, fractions, percentages, basic statistics, and graphs. Students are shown practical applications for what they have learned in their personal lives, including home and car ownership, wages and taxes, budgeting, banking, and credit. Course length: One semester Materials:None Prerequisites: None
Creative Writing A	ENG030AAVT	Students create original essays, poems, and short stories in this course, which uses two textbooks and focuses on the four-step process writing model. They read professionally written forms of creative writing as models and then integrate their impressions of these works with their personal life experiences as they compose their own writing projects. Students are encouraged to write about topics they find engaging as they practice writing on the following themes: narration, definition, process analysis, cause and effect, and comparison/contrast.

Creative Writing B	ENG030BAVT	Students create original essays, poems, and short stories in this course, which uses two textbooks and focuses on the four-step process writing model. They read professionally written forms of creative writing as models and then integrate their impressions of these works with their personal life experiences as they compose their own writing projects. Students are encouraged to write about topics they find engaging as they practice writing on the following themes: narration, definition, process analysis, cause and effect, and comparison/contrast.
Digital Arts I	TCH-028V1-G	In this exploratory course, students learn the elements and principles of design, as well as foundational concepts of visual communication. While surveying a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they've learned. They explore career opportunities in the design, production, display and presentation of digital artwork. They respond to the artwork of others, and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.
Digital Arts II	TCH-029V1-G	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, students will have created a collection of digital art projects for their digital design portfolio.
Drivers Safety	OTH070AVT	Drivers Safety can provide a foundation for a lifetime of responsible driving. Instructional material in this course emphasizes the mechanics of driving operations and the rules of safe driving. Among other topics, students learn how to assess and manage risk, handle social pressures, understand signs and signals, comprehend the rules of the road, and start, steer, stop, turn, and park a car. They also learn how to contend with driving environments, including light and weather conditions, share the roadway, respond to an emergency, buy and maintain a car, plan a trip, take a state driving test, and partner with their parents or guardians to promote safety on the road.

Earth Science (ES)	CALMS167	The Earth Science curriculum builds on the natural curiosity of students. By connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, it gives students an opportunity to relate to their everyday world. Students will explore topics such as: • 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. • Oceans and the atmosphere. • The solar system and the universe.
Earth Science Core - Semester 1	SCI-112AV1-K	In this course, students focus on geology, oceanography, astronomy, weather, and climate. Students follow a program of online study days that alternate with review-and-assessment days. Lessons include extensive animations, hands-on laboratory activities, reference book study, and collaborative activities with virtual classmates.
Earth Science Core - Semester 2	SCI-112BV1-K	In this course, students focus on geology, oceanography, astronomy, weather, and climate. Students follow a program of online study days that alternate with review-and-assessment days. Lessons include extensive animations, hands-on laboratory activities, reference book study, and collaborative activities with virtual classmates.

Earth Science Honors - Semester 1	SCI-114AV1-K	K12 High School Honors Earth Science is a full-year program that provides students with an honors-level, high school college-prep earth science curriculum and a solid basis to move on to more advanced science courses.. The program consists of standard direct lessons presented on screen, an associated reference book, hands-on laboratories students can conduct at home and honors projects including independent research, extended and virtual laboratories, and a teamed, online debate of current science issues. The course surveys all key areas that are commonly taught in high school earth science courses and will give students the basic knowledge they need to master state and local examinations. It provides them with a prerequisite for college-level geology, meteorology, oceanography, and astronomy courses, and gives them practical experience at implementing scientific methods. The course requires 180 days of experience with the fundamentals of earth science.
Earth Science Honors - Semester 2	SCI-114BV1-K	K12 High School Honors Earth Science is a full-year program that provides students with an honors-level, high school college-prep earth science curriculum and a solid basis to move on to more advanced science courses.. The program consists of standard direct lessons presented on screen, an associated reference book, hands-on laboratories students can conduct at home and honors projects including independent research, extended and virtual laboratories, and a teamed, online debate of current science issues. The course surveys all key areas that are commonly taught in high school earth science courses and will give students the basic knowledge they need to master state and local examinations. It provides them with a prerequisite for college-level geology, meteorology, oceanography, and astronomy courses, and gives them practical experience at implementing scientific methods. The course requires two semesters of experience with the fundamentals of earth science.

Economics	HST-030V1-C	Students analyze economic data through a variety of learning activities. They learn how macroeconomics differs from microeconomics. They study the measurement of aggregate economic activity and how it relates to employment and inflation. They explore fiscal and monetary policies designed to promote economic stability. Throughout the course, students use Internet resources to access and analyze current economic data.
Engineering Design/CAD	TCH-038V1-G	Computer-aided design systems are used by designers and manufacturers in virtually every industry to create engineering design solutions. In this course, students are introduced to engineering, learning the basics of CAD software: creating points, lines, other geometric forms, isometric drawings, and 3D models. They learn how to translate initial concepts into functional designs and 3D walkthroughs and explore career options in this hands-on introductory-level course. Course Length: One semester
English Foundations I - Semester 1	ENG-001AV2-APL	This course helps to bring students up to grade level—guiding them through the reading, writing, and basic academic skills needed for success in high school. It supports literacy development at the critical stage between decoding and making meaning from text. Through intensive reading and writing skills instruction, deep practice sets, consistent formative feedback, graduated reading levels, and helpful strategy tips, the course leads students to improved comprehension and text handling. Semester 1 provides instruction in basic reading skills and vocabulary building.
English Foundations I - Semester 2	ENG-001BV2-APL	This course helps to bring students up to grade level—guiding them through the reading, writing, and basic academic skills needed for success in high school. It supports literacy development at the critical stage between decoding and making meaning from text. Through intensive reading and writing skills instruction, deep practice sets, consistent formative feedback, graduated reading levels, and helpful strategy tips, the course leads students to improved comprehension and text handling. Semester 2 provides instruction in basic writing skills, introduces academic tools, and demonstrates effective study skills.

English Foundations II - Semester 1	ENG-011AV2-APL	This course brings students up to grade level—guiding them through the reading, writing, and basic academic skills needed for success in high school. It offers skill building and strategy development in reading and writing. Semester 1 is a reading program designed to help struggling readers develop mastery in the areas of reading comprehension, vocabulary building, study skills, and media literacy. Semester 2 is a writing program that builds confidence in composition fundamentals by focusing on composing, grammar, style, and media literacy. The workshops stress high interest, engaging use of technology, relevant topics, and robustly scaffolded practice.
English Foundations II - Semester 2	ENG-011BV2-APL	This course brings students up to grade level—guiding them through the reading, writing, and basic academic skills needed for success in high school. It offers skill building and strategy development in reading and writing. Semester 1 is a reading program designed to help struggling readers develop mastery in the areas of reading comprehension, vocabulary building, study skills, and media literacy. Semester 2 is a writing program that builds confidence in composition fundamentals by focusing on composing, grammar, style, and media literacy. The workshops stress high interest, engaging use of technology, relevant topics, and robustly scaffolded practice.
Environmental Science	SCI-010V2-K	This course provides an overview of the nature of ecosystems, energy flow, and the inter-relationships of biology, geology, and chemical cycles. Students explore issues in population studies, environmental pollution, and the organization and dynamics of ecological communities. Specific topics include scientific habits of the mind; the application of scientific knowledge, methodology, and historical context to solve problems; the use of laboratory technologies; earth dynamics; the influence of technology on environmental quality; conservation practices; biodiversity; environmental planning and waste management; environmental monitoring and policy; sustainable use of public land; characteristics of populations; biotic and abiotic environmental factors; and energy production technologies.

Exploring Music	MUXF1	Exploring Music is for students of fifth-grade age who are new to the K[12] Music program. This course presents the basics of traditional music appreciation through singing and the study of music in history and culture. Students begin by studying some of the most important classical composers, and then study traditional music from around the country and around the world. Finally, they learn how to follow the form of a piece of music.
Finding Your Path I	ORN-100V1-K	Freshman and sophomores begin their school year with a course specifically targeted to their unique concerns. (In Fall 2010, there will be a unique course for sophomores and the current ORN100 will then address the needs of freshman only.) This 10-hour orientation course is unique for each student, as school counselors, advisors, 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 topics that are critical to ensuring success in high school and beyond. The K12 online career and college counseling tools are featured in this course. This course is part of the career planning program of the Success Curriculum for the Hathaway Scholarship.
Finding Your Path II	ORN-200V1-K	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, advisors, 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 topics that are critical to ensuring success in high school and beyond. The K12 online career and college counseling tools are featured in this This course is part of the career planning program of the Success Curriculum for the Hathaway Scholarship.

Finding Your Path III	ORN-300V1-K	Juniors and seniors begin their school year with a course specifically targeted to their unique concerns. (In Fall 2010, there will be a unique course for seniors and the current ORN300 will then address the needs of juniors only.) This 10-hour orientation course is unique for each student, as school counselors, advisors, and other staff guide students through an in-depth exploration of their interests, abilities, and skills. Students continue to explore their education and career interests, define and modify goals, and check their progress on their 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 topics that are critical to ensuring success in high school and beyond. The K12 online career and college counseling tools are featured in this course. This course is part of the career planning program of the Success Curriculum for the Hathaway Scholarship.
Finding Your Path IV	ORN-400V1-K	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, advisors, 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 topics that are critical to ensuring success in high school and beyond. The K12 online career and college counseling tools are featured in this course. This course is part of the career planning program of the Success Curriculum for the Hathaway Scholarship.
Fine Art - Semester 1	ART-010AV1-K	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.

Fine Art - Semester 2	ART-010BV1-K	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.
Forensic Science	SCI-030V1-K	This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crim scene investigationm, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist.
French I - Semester 1	WLG-110AV1-P	The High School French I course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

French I - Semester 2	WLG-110BV1-P	Students begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students master common vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue simple conversations, and respond appropriately to basic conversational prompts; generate language incorporating basic vocabulary and a limited range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
French II - Semester 1	WLG-210AV1-P	The High School French II course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

French II - Semester 2	WLG-210BV1-P	Students continue their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students master common and some specialized vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue simple conversations, and respond appropriately to increasingly nuanced conversational prompts; generate language incorporating basic and some specialized vocabulary, and a range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas across the globe, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

French III - Semester 1	WLG-310AV1-P	In this expanding engagement with French, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French, and respond orally or in writing to these works. Students master common and some specialized vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue increasingly involved conversations, and respond appropriately to increasingly involved or open conversational prompts; generate language incorporating basic and some specialized vocabulary and a range of grammar patterns; recognize and respond to significant works of literature in French; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Continuing the pattern, and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). Course length: One semester Materials: French-English dictionary is recommended Prerequisites: WLG210: French II or equivalent

French III - Semester 2	WLG-310BV1-P	In this expanding engagement with French, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French, and respond orally or in writing to these works. Students master common and some specialized vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue increasingly involved conversations, and respond appropriately to increasingly involved or open conversational prompts; generate language incorporating basic and some specialized vocabulary and a range of grammar patterns; recognize and respond to significant works of literature in French; analyze and compare cultural practices, products, and perspectives of various French-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Continuing the pattern, and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). Course length: One semester Materials: French-English dictionary is recommended Prerequisites: WLG310A or equivalent

French IV- Semester 1	WLG-410A-AVT	The High School French IV course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
French IV- Semester 2	WLG-410B-AVT	The High School French IV course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Game Design	TCH-070V2-G	This course is for anyone who loves gaming and wants to design and build original games from scratch. Students learn how to use popular game-development software to create engaging, interactive games in a variety of styles. After learning about game genres, students learn about all aspects of the game-design process. From there, it's on to a series of increasingly challenging hands-on projects that teach all the elements of successful game development. This course provides a solid foundation in the essentials of game design.
Geography and World Cultures	HST-212V1-A	This course introduces students to the countless ways in which geography influences human relationships, politics, society, economics, science, technology, and the arts. Special emphasis is placed on the way geographically derived information is expressed in maps, charts, and graphs in order to teach students how to analyze such documents carefully—and how to create them. This is a core level course
Geometry Core - Semester 1	MTH-202AV1-K	Students learn to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry and develop an understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries.

Geometry Core - Semester 2	MTH-202BV1-K	Students learn to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry and develop an understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries.
Geometry CR - Semester 1	MTH-206AVSG1-K	Students learn to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry and develop an understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries.
Geometry CR - Semester 2	MTH-206BVSG1-K	Students learn to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry and develop an understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries.

Geometry Honors - Semester 1	MTH-204AV1-K	Students learn to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry and develop an understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries. This course includes all the topics in MTH203, but has more challenging assignments and includes more optional challenge activities. Each semester also includes an independent honors project.
Geometry Honors - Semester 2	MTH-204BV1-K	Students learn to recognize and work with geometric concepts in various contexts. They build on ideas of inductive and deductive reasoning, logic, concepts, and techniques of Euclidean plane and solid geometry and develop an understanding of mathematical structure, method, and applications of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning, and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three-dimensional solids; geometric constructions; symmetry; the use of transformations; and non-Euclidean geometries. This course includes all the topics in MTH203, but has more challenging assignments and includes more optional challenge activities. Each semester also includes an independent honors project.

German I - Semester 1	WLG-120AV1-P	The High School German I course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major German-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
German I - Semester 2	WLG-120BV1-P	Students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students master common vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue simple conversations, and respond appropriately to basic conversational prompts; generate language incorporating basic vocabulary and a limited range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe. The course has been carefully aligned to national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).

German II - Semester 1	WLG-220AV1-P	The High School German II course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major German-speaking areas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
German II - Semester 2	WLG-220BV1-P	Students continue their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students master common and some specialized vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue simple conversations, and respond appropriately to increasingly nuanced conversational prompts; generate language, incorporating basic and some specialized vocabulary and a range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various German-speaking countries; regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe. The course has been carefully aligned to national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).

German III- Semester 1	WLG-320A-AVT	The High School German III course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
German III- Semester 2	WLG-320B-AVT	The High School German III course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Green Design and Technology	TCH-027V1-G	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.
History Grade 1	CALMS157	The first grade History program begins an overview of world history (spanning grades 1–4) from the Stone Age to the Space Age. Through lively stories and activities, students will: • Understand how geography influences the rise of civilizations, and develop spatial sense through regular work with maps and globes • Explore the recurrent themes of civilization: settling down and surviving, innovating and inventing, building cities and empires, establishing laws and government, and preserving knowledge and works of the imagination • Become familiar with mythologies, traditions, and belief systems of various cultures • Identify important figures, events, and concepts related to the historical origins of major world religions • Recognize lasting contributions in ideas (for example, democracy, republican government, and civil service) from various civilizations

History Grade 2	CALMS170	Second graders continue their investigation (spanning grades 1–4) into history from the Stone Age to the Space Age. Through lively stories and activities, second graders will: • Explore ancient Rome and meet Julius Caesar • Learn about the beginnings of Christianity during the Roman Empire • Hear stories of the raiding and trading Vikings • Appreciate the achievements of early Islamic civilization • During the early Middle Ages in Europe, meet knights in armor, and hear stories of St. George, Robin Hood, and Joan of Arc • Visit the medieval African kingdoms of Ghana, Mali, and Songhai • Travel the Silk Road across China, and meet the powerful emperor, Kublai Khan • Learn about the fighting samurai and the growth of Buddhism and Shintoism in feudal Japan
History Grade 3	CALMS176	Continuing their investigation (spanning grades 1–4) into history from the Stone Age to the Space Age, third grade students will: • Explore the Renaissance, and meet Petrarch, da Vinci, Michelangelo, Gutenberg, Galileo, and more • Journey through the Age of Exploration with Dias, da Gama, Magellan, and more • Get to know the Maya, Aztecs, and Incas • Visit civilizations in India, Africa, China, and Japan • During England's Golden Age, meet Elizabeth I, Sir Walter Raleigh, and William Shakespeare • Explore Jamestown, Plymouth, and the thirteen colonies in Colonial America • Learn about the American Revolution

History Grade 4	CALMS177	Concluding their investigation (spanning grades 1–4) into history from the Stone Age to the Space Age, fourth grade students turn to the study of the modern world. They will: • Learn about the Age of Enlightenment and the Scientific Revolution, and meet Isaac Newton and Benjamin Franklin • Become familiar with James Madison and American constitutional government, as well as Napoleon in France • Learn about various revolutions in Latin America • See how great changes—nationalism, industrialism, and imperialism—shaped, and sometimes shattered, the modern world, leading to the two world wars • Study many inventors and innovators who achieved great advances in communication, transportation, medicine, and government
History Kindergarten	CALMS182	The kindergarten History program teaches basics of world geography with the seven continents. Students will: • Explore the Great Barrier Reef in Australia, the frozen expanses of Antarctica, and the grasslands and rain forests of Africa. • Learn what it is like to climb the Andes and ride with the gauchos. • Become familiar with the landmarks, people, and stories of many countries in Europe and Asia, as well as North America, including Canada and Mexico. • Learn about American History through biographies of famous figures, from Christopher Columbus and the Pilgrims to Thomas Jefferson and Sacagawea, from Harriet Tubman and Susan B. Anthony to Abraham Lincoln and Theodore Roosevelt, from Thomas Edison and the Wright brothers to Cesar Chavez and Martin Luther King, Jr.

Image Design and Editing	TCH-030V2-G	This course is for anyone who wants to learn how to edit digital photos to create images that have visual impact. Using GIMP 2.0, whose functions map to those of Adobe Photoshop CS 2, students learn the basics of photo composition before moving on to technical topics, such as working with layers and masks, adding special effects, and combining images and type to create powerful graphics. At the end of the course, students will have completed a variety of original projects for their graphic design portfolios
Intermediate Art: World A	VA8F1	Intermediate Art: World A is designed to complement the World History: From Prehistory Through the Middle Ages course. Following the timeline of the K12 History program, lessons introduce students to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students study and create various works of art. They compare and contrast works from many civilizations, from paintings to sculpture, architecture, pottery, mosaics, and more. For example, they see Egyptian paintings next to Roman paintings, and Minoan pottery next to Chinese pottery. Students create artworks inspired by works they learn about, using many materials and techniques. After learning about great works of Egyptian, Greek, Roman, Gothic, Japanese, and Islamic architecture, students design a building with characteristics of a building type they learned about. They study sculptures of the human figure from various civilizations and then make clay self-portraits.

Intermediate Art: World B	VABF1	Intermediate Art: World B is designed to complement the World History: Our Modern World, 1400 to 1917 course. Following the timeline of the K12 History program, lessons introduce students to the artists, cultures, and great works of world art and architecture from Renaissance through modern times. Students study and create various works of art. They compare and contrast works from many civilizations, from paintings to sculpture, architecture, book covers, prints, and more. For example, they see a Leonardo da Vinci drawing next to a Vincent van Gogh drawing, and a Donatello sculpture next to a Rodin sculpture. Students create artworks inspired by works they learn about, using many materials and techniques. After learning about great works of architecture by Donato Bramante, Joseph Paxton, Frank Lloyd Wright, and I.M. Pei, students design their own model of a building. They study expressive portrait paintings by Rembrandt, Judith Leyster, and Pablo Picasso, and then make expressive self-portraits.
Intermediate English A	CALMS1566	Intermediate Literature A sharpens reading comprehension skills, engages readers in literary analysis, and offers a variety of literature to suit diverse tastes. Through a varied selection of classic stories, plays, and poems, many of which highlight exemplary virtues, students develop skills of close reading and literary analysis while considering important human issues and challenging ideas. They come to appreciate the writer's craft as they consider the feelings, thoughts, and ideas of characters, and make connections between literature and life. Students also learn to read for information in nonfiction texts.

Intermediate English B	CALMS1568	Intermediate Literature B sharpens reading comprehension skills, engages readers in literary analysis, and offers a variety of literature to suit diverse tastes. Through a varied selection of stories, plays, and poems, many of which highlight exemplary virtues, students develop skills of close reading and literary analysis while considering important human issues and challenging ideas. They come to appreciate the writer's craft as they consider the feelings, thoughts, and ideas of characters, and make connections between literature and life. Students also learn to read for information in nonfiction texts.
Intermediate World History A	CALMS1102	K12 Intermediate World History A surveys the story of the human past from the period before written records, prehistory, through the fourteenth century. The course is organized chronologically and, within broad eras, regionally. The course focus is the story of the human past and change over time, including the development of religion, philosophy, the arts, and science and technology. Geography concepts and skills are introduced as they appear in the context of the historical narrative. Students explore what archaeologists and historians have learned about the earliest hunter-gatherers and farmers and then move to a study of the four river valley civilizations. After a brief writing unit, they study the origins of Confucianism, Hinduism, Buddhism, and Judaism and the eras in which they developed. The second half of the course traces the story of classical Greece and Rome, the Byzantine Empire, the origins of Christianity and Islam, and then continues through the fourteenth century in Europe, North Africa, and East Asia. Historical thinking skills are a key component of Intermediate World History. Students practice document and art analysis, conduct research, and write in a variety of formats. They also practice map reading skills and look at how historians draw conclusions about the past as well as what those conclusions are.

Intermediate World History B	CALMS1105	Continuing a survey of World History from prehistoric to modern times, K12 online lessons and assessments complement the second volume of The Human Odyssey, a textbook series developed and published by K12. This course focuses on the story of the past from the fourteenth century to 1917 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. Major topics of study include: • The cultural rebirth of Europe in the Renaissance • The Reformation and Counter-Reformation • The rise of Islamic empires • Changing civilizations in China, Japan, and Russia • The Age of Exploration, and the civilizations that had been flourishing in the Americas for hundreds of years prior to encounters with Europeans • The changes that came with the Scientific Revolution and the Enlightenment • Democratic revolutions of the eighteenth and nineteenth centuries • The Industrial Revolution and its consequences • Nineteenth century nationalism and imperialism • The remarkable transformations in communications
Introduction to Entrepreneurship I	BUS-040V1-G	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. Students hear inspirational stories of teen entrepreneurs who have turned their ideas into reality, and then they plan and execute their own business.

Introduction to Entrepreneurship II	BUS-050V1-G	Students build on the business concepts they learned in Introduction to Entrepreneurship I. They learn about sales methods, financing and credit, accounting, pricing, and government regulations. They refine their technology and communication skills in speaking, writing, networking, negotiating, and listening. They enhance their employability skills by preparing job-related documents, developing interviewing skills, and learning about hiring, firing, and managing employees. Students develop a complete business plan and a presentation for potential investors. COURSE LENGTH: One semester Materials: None PREREQUISITES:Introduction to Entrepreneurship I
Introduction to Marketing I	BUS-060V1-G	Students find out what it takes to market a product or service in today's fast-paced business environment. They learn the fundamentals of marketing using real-world business examples. They learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management.
Introduction to Marketing II	BUS-070V1-G	Students build on the skills and concepts learned in Introduction to Marketing I to develop a basic understanding of marketing principles and techniques. By the end of the course, they will have developed their own comprehensive marketing plan for a new business.

Introduction to Music	MUNF1	Introduction to Music is for students in grades 3–5 who are new to K12 or just beginning their study of music. Using traditional folks songs, students learn most of the skills covered in the K12's Beginning 1 and 2 Music courses. They learn to recognize and write melodic and rhythmic patterns with four elements, and they practice recognizing these patterns in the music of great composers, such as Beethoven and Brahms. Students become familiar with instruments of the orchestra as they listen to music by Vivaldi, Saint-Saens, and Holst. Students will: • Sing along with folk songs • Practice moving to music • Listen actively to different kinds of music • Read and write music • Learn to recognize melody in two, three, and four note patterns • Identify rhythms in music using eighths, quarters, rests, and half notes • Become familiar with string and percussion instruments of the orchestra • Recognize duple and triple meter • Begin to understand standard musical notation
Journalism	ENG-010V2-K	Students are introduced to the historical importance of journalism in America. They study the basic principles of print and online journalism as they examine the role of printed news media in our society. They learn investigative skills, responsible reporting and journalistic writing techniques as they read, respond to, and write their own news and feature articles. Students conduct interviews, research, write, and design their own publications.
Language Arts 1 Green	CALMS125	In this course students use phonics, language skills, literature to build decoding skills and helps students become confident, independent readers.
Language Arts 2 Orange	CALMS200	This course provides a comprehensive introduction to the essentials of Web design, from planning page layouts to publishing a complete site to the Web. Through real-world design scenarios and hands-on projects, students create compelling, usable websites

Language Arts Grade 3	CALMS1127	LITERATURE Students develop literary analysis and comprehension skills. The emphasis is on works that embody exemplary virtues, including Greek and Norse myths, “William Tell,”and episodes from Black Beauty. Students read works of nonfiction, as well as four novels (selected from a long list of such classics as Charlotte’s Web, Little House on the Prairie, and Henry Huggins). A test preparation program prepares students for standardized tests. LANGUAGE SKILLS • Composition—Students practice writing as a process, as they write a narrative, a report, letters, poetry, and more • Grammar, Usage, and Mechanics—Students learn about sentence structure, parts of speech, research skills, and more • Vocabulary—Wordly Wise provides practice in word study skills, word analysis, and reading comprehension • Primary Analogies—Students develop test-taking and critical thinking skills as they connect words and ideas • Spelling—Through weekly word lists, students learn relationships between sounds and spellings • Handwriting—Handwriting Without Tears helps students develop their cursive handwriting skills • Public Speaking—Students learn and use techniques for effective oral presentations

Language Arts Grade 4	CALMS1540	LANGUAGE SKILLS • Composition—Students practice writing as a process (from planning to proofreading), as they write a report, a book review, a persuasive essay, poetry, a news article, and more • Grammar, Usage, and Mechanics—Students learn more about sentence structure, parts of speech, punctuation, capitalization, and usage. They begin sentence analysis and diagramming • Vocabulary—The Vocabulary Workshop program helps enrich students' vocabulary, develop word analysis skills, and prepare for standardized tests • Spelling—Students understand sound-symbol relationships and spelling patterns, and recognize base words and roots in related words LITERATURE Students learn to identify and analyze literary elements such as character, plot, theme, and setting. The emphasis is on classic literature, including episodes from Robinson Crusoe, Gulliver's Travels, and Pollyanna; legends of King Arthur; and folktales from many lands. Students read works of nonfiction, as well as four novels (selected from a long list of such classics as The Cricket in Times Square, My Side of the Mountain, and Sarah, Plain and Tall). A test preparation program prepares students for standardized tests.

Language Arts Grade 5	CALMS1140	LANGUAGE SKILLS • Composition—Students practice writing, from planning to proofreading, as they write a memoir, an editorial, a research paper, a business letter, and more • Grammar, Usage, and Mechanics—Students learn about parts of speech, punctuation, and research skills. They continue sentence analysis and diagramming • Vocabulary—The Vocabulary Workshop helps students enrich their vocabulary, develop word analysis skills, and prepare for standardized tests • Spelling—Students learn sound-symbol relationships and spelling patterns, identify affixes and how they affect the meaning of words, and recognize base words and roots in related words LITERATURE Students analyze, compare, and creatively respond to a variety of works. The emphasis is on classic works, including tales of Robin Hood and St. George; selections from Don Quixote and Shakespeare's The Tempest and A Midsummer Night's Dream; "Rip Van Winkle" and "The Legend of Sleepy Hollow"; and Sherlock Holmes mysteries. Students read works of nonfiction, as well as four novels (selected from a long list of such classics as Pippi Longstocking, Call It Courage, and The Lion, the Witch, and the Wardrobe).
Language Arts K Blue	CALMS121	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.

Life Science (LS)	CALMS1103	The K[12] Life Science program invites students to investigate the world of living things—at levels both large and small—by reading, observing, and experimenting with aspects of life on earth. Students explore an amazing variety of organisms, the complex workings of the cell, the relationship between living things and their environments, and discoveries in the world of modern genetics. Practical, hands-on 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. Students will study a variety of topics in biology, including: • The chemical building blocks of life. • Fundamentals of ecology and life's environments. • The biology of organisms from bacteria to mammals. • The life processes of plants. • The variety of cell structure and how cells perform the tasks necessary for life. • Fundamentals of genetics.
Life Skills	OTH-090V1-AVT	Life Skills is designed to increase student knowledge and ability in skills necessary for everyday living. The course emphasizes defining personal values, goal-setting and planning, making decisions and solving problems, evaluating information and dealing with media and peer pressure, communication and relationships, decision making, wellness and personal safety, and contributing to your community. Course length: One semester Materials: None Prerequisites: None

Lit Analysis & Comp I Core - Sem 1	ENG-102AV1-K	In this course, students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature, both classic and modern. Literature: Students read short stories, poetry, drama, novels, essays, and informative articles. The course sharpens reading comprehension skills and engages readers in literary analysis as they consider important human issues and challenging ideas. Students also learn to read for information in nonfiction texts. Language Skills: Students learn to express their ideas effectively. They sharpen their composition skills through a focus on writing good paragraphs and essays in a variety of genres, such as persuasive and research essays. Students plan, organize, and revise written works in response to feedback on drafts. In grammar, usage, and mechanics lessons, students expand their understanding of parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Vocabulary lessons build knowledge of Greek and Latin words that form the roots of many English words. Students use word origins and derivations to determine the meaning of new words as they increase their vocabularies.

Lit Analysis & Comp I Honors - Sem 1	ENG-104AV1-K	This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Students enrolled in this course work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned. Literature: Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written. Literary selections range from the Greek tragedy Antigone to Shakespeare's Romeo and Juliet to contemporary pieces by authors such as Annie Dillard and Maya Angelou. Language Skills: Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities. Student vocabularies are enhanced through the study of Greek and Latin root, improving students' ability to decipher the meanings of new words.

Lit Analysis & Comp II Core - Sem 1	ENG-202AV1-K	In this course, students build on their language skills while reading classic and modern works of literature and improving their writing skills. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important human issues. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including persuasive and research essays. Students plan, organize, and revise their essays in response to feedback. They build on their skills in grammar, usage, and mechanics by studying phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Thematic units focus on word roots, suffixes and prefixes, context clues, and other strategies to help students strengthen their vocabularies

Lit Analysis & Comp II Honors - Sem 1	ENG-204AV1-K	In this course, students build on existing literature and composition skills and move on to higher levels of sophistication. Students work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned. Literature: Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, Richard Rodriguez, and William Shakespeare. Students have a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, and Elie Wiesel. Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, applications, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies.

Lit Analysis & Comp II Honors - Sem 2	ENG-204BV1-K	In this course, students build on existing literature and composition skills and move on to higher levels of sophistication. Students work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned. Literature: Students hone their skills of literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, Richard Rodriguez, and William Shakespeare. Students have a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, and Elie Wiesel. Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, applications, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies.
Lit Analysis and Comp	CALMS1570	Literary Analysis and Composition is a course designed for students at the end of the middle grades and the beginning of high school (grades 8-9). Throughout this course, students will engage in literary analysis of short stories, poetry, drama, novels, and nonfiction. The course focuses on the interpretation of literary works and the development of oral and written communication skills in standard (formal) English. The program is organized in four strands: Literature, Composition; Grammar, Usage and Mechanics (GUM); and Vocabulary.

Lit Analysis and Comp II Compre - Sem 1	ENG-203AV1-K	In this course, students build on existing literature and composition skills and move to higher levels of sophistication. Literature: Students hone their skills in literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, and Richard Rodriguez. Students read William Shakespeare's tragedy, Macbeth, and they are offered a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, Elie Wiesel, and many others. Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, applications, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies. Course length: Two semesters Materials: Journeys in Literature: Classic and Modern, Volume B; Journeys in Literature: Classic and Modern, Volume B: An Audio Companion; Vocabulary for Achievement, Fourth Course; Macbeth, by William Shakespeare Prerequisites: ENG103: Literary Analysis and Composition I, or equivalent

Lit Analysis and Comp II Compre - Sem 2	ENG-203BV1-K	In this course, students build on existing literature and composition skills and move to higher levels of sophistication. Literature: Students hone their skills in literary analysis by reading short stories, poetry, drama, novels, and works of nonfiction, both classic and modern. Authors include W. B. Yeats, Sara Teasdale, Langston Hughes, Robert Frost, Edgar Allan Poe, Nathaniel Hawthorne, Kate Chopin, Amy Tan, and Richard Rodriguez. Students read William Shakespeare's tragedy, Macbeth, and they are offered a choice of novels and longer works to study, including works by Jane Austen, Charles Dickens, Elie Wiesel, and many others. Language Skills: In this course, students become more proficient writers and readers. In composition lessons, students analyze model essays from readers' and writers' perspectives, focusing on ideas and content, structure and organization, style, word choice, and tone. Students receive feedback during the writing process to help them work toward a polished final draft. In addition to writing formal essays, applications, and business letters, students write and deliver a persuasive speech. Students expand their knowledge of grammar, usage, and mechanics through sentence analysis and structure, syntax, agreement, and conventions. Students strengthen their vocabularies through thematic units focused on word roots, suffixes and prefixes, context clues, and other important vocabulary-building strategies. Course length: Two semesters Materials: Journeys in Literature: Classic and Modern, Volume B; Journeys in Literature: Classic and Modern, Volume B: An Audio Companion; Vocabulary for Achievement, Fourth Course; Macbeth, by William Shakespeare Prerequisites: ENG103: Literary Analysis and Composition I, or equivalent

Literary Analysis & Composition I Core - Sem 2	ENG-102BV1-K	In this course, students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature, both classic and modern. Literature: Students read short stories, poetry, drama, novels, essays, and informative articles. The course sharpens reading comprehension skills and engages readers in literary analysis as they consider important human issues and challenging ideas. Students also learn to read for information in nonfiction texts. Language Skills: Students learn to express their ideas effectively. They sharpen their composition skills through a focus on writing good paragraphs and essays in a variety of genres, such as persuasive and research essays. Students plan, organize, and revise written works in response to feedback on drafts. In grammar, usage, and mechanics lessons, students expand their understanding of parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Vocabulary lessons build knowledge of Greek and Latin words that form the roots of many English words. Students use word origins and derivations to determine the meaning of new words as they increase their vocabularies.

Literary Analysis & Composition I CR - Sem 1	ENG-106AVSG1-K	In this course, students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature, both classic and modern. Literature: Students read short stories, poetry, drama, novels, essays, and informative articles. The course sharpens reading comprehension skills and engages readers in literary analysis as they consider important human issues and challenging ideas. Students also learn to read for information in nonfiction texts. Language Skills: Students learn to express their ideas effectively. They sharpen their composition skills through a focus on writing good paragraphs and essays in a variety of genres, such as persuasive and research essays. Students plan, organize, and revise written works in response to feedback on drafts. In grammar, usage, and mechanics lessons, students expand their understanding of parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Vocabulary lessons build knowledge of Greek and Latin words that form the roots of many English words. Students use word origins and derivations to determine the meaning of new words as they increase their vocabularies.

Literary Analysis & Composition I CR - Sem 2	ENG-106BVSG1-K	In this course, students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature, both classic and modern. Literature: Students read short stories, poetry, drama, novels, essays, and informative articles. The course sharpens reading comprehension skills and engages readers in literary analysis as they consider important human issues and challenging ideas. Students also learn to read for information in nonfiction texts. Language Skills: Students learn to express their ideas effectively. They sharpen their composition skills through a focus on writing good paragraphs and essays in a variety of genres, such as persuasive and research essays. Students plan, organize, and revise written works in response to feedback on drafts. In grammar, usage, and mechanics lessons, students expand their understanding of parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Vocabulary lessons build knowledge of Greek and Latin words that form the roots of many English words. Students use word origins and derivations to determine the meaning of new words as they increase their vocabularies.

Literary Analysis & Composition I Honors - Sem 2	ENG-104BV1-K	This course challenges students to improve their written and oral communication skills, while strengthening their ability to understand and analyze literature in a variety of genres. Students enrolled in this course work on independent projects that enhance their skills and challenge them to consider complex ideas and apply the knowledge they have learned. Literature: Students read a broad array of short stories, poetry, drama, novels, autobiographies, essays, and famous speeches. The course guides students in the close reading and critical analysis of classic works of literature, and helps them appreciate the texts and the contexts in which the works were written. Literary selections range from the Greek tragedy Antigone to Shakespeare's Romeo and Juliet to contemporary pieces by authors such as Annie Dillard and Maya Angelou. Language Skills: Students broaden their composition skills by examining model essays in various genres by student and published writers. Through in-depth planning, organizing, drafting, revising, proofreading, and feedback, they hone their writing skills. Students build on their grammar, usage, and mechanics skills with in-depth study of sentence analysis and structure, agreement, and punctuation, reinforced by online activities. Student vocabularies are enhanced through the study of Greek and Latin root, improving students' ability to decipher the meanings of new words.

Literary Analysis & Composition II Core - Sem 2	ENG-202BV1-K	In this course, students build on their language skills while reading classic and modern works of literature and improving their writing skills. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important human issues. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including persuasive and research essays. Students plan, organize, and revise their essays in response to feedback. They build on their skills in grammar, usage, and mechanics by studying phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Thematic units focus on word roots, suffixes and prefixes, context clues, and other strategies to help students strengthen their vocabularies.
Literary Analysis & Composition II CR - Sem 1	ENG-206AVSG1-K	In this course, students build on their language skills while reading classic and modern works of literature and improving their writing skills. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important human issues. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including persuasive and research essays. Students plan, organize, and revise their essays in response to feedback. They build on their skills in grammar, usage, and mechanics by studying phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Thematic units focus on word roots, suffixes and prefixes, context clues, and other strategies to help students strengthen their vocabularies.

Literary Analysis & Composition II CR - Sem 2	ENG-206BVSG1-K	In this course, students build on their language skills while reading classic and modern works of literature and improving their writing skills. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills and analyzing important human issues. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including persuasive and research essays. Students plan, organize, and revise their essays in response to feedback. They build on their skills in grammar, usage, and mechanics by studying phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Thematic units focus on word roots, suffixes and prefixes, context clues, and other strategies to help students strengthen their vocabularies.
MARK12 Reading I - Adaptive Remediation	CALMS12	The MARK12 (Mastery. Acceleration. Remediation. K12.) courses are for students in the third to fifth grades who are struggling readers. MARK12 Reading I gives students who are reading several grades below grade level the opportunity to master missed concepts in a way that accelerates them through the remediation process by incorporating adaptivity and online assessments. Students work independently and with a Learning Coach to develop oral reading, comprehension, phonics, spelling, and fluency skills. They also practice grammar, usage, mechanics, and composition. 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 research-based 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.

MARK12 Reading II - Adaptive Remediation	CALMS8	The MARK12 (Mastery. Acceleration. Remediation. K12.) courses are for students in the third to fifth grades who are struggling readers. MARK12 Reading II gives students who are reading two or more grades below grade level the opportunity to master missed concepts in a way that accelerates them through the remediation process by incorporating adaptivity and online assessments. Students work independently and with a Learning Coach to develop oral reading, comprehension, phonics, spelling, and fluency skills. They also practice grammar, usage, mechanics, and composition. 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.
MARK12 Reading III - Adaptive Remediation	CALMS13	
Math 6- Fund of Geometry and Algebra	CALMS1178	
Math 7- Pre Algebra	CALMS1179	In K12 Middle School Pre-Algebra, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean Theorem; and explain strategies for solving real-world problems. Online lessons provide demonstrations of key concepts, as well as interactive problems with contextual feedback. A textbook supplements the online material.
Math 8- Algebra	CALMS1180	Middle School Algebra I is a one-year course intended for students in grades 8 and 9. The course takes students through developing the tools and concepts that are central to the powerful abstraction and generalization that are made possible with algebra: Variables, Grouping Symbols, Introduction to Sets, Equations, Translating Words into Symbols, Translating Sentences into Equations, Translating Problems into Equations, A Problem-Solving Plan, Number Lines, Opposites and Absolute Value

Math Blue Kindergarten	CALMS2	This research-based 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. The course introduces kindergarten 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, study patterns, and relate mathematical figures to objects within their environment.
Math Foundations 1 - Semester 2	MTH-001BV2-APL	This course brings students up to grade level—helping students progress at their optimum pace through interactive instruction and assessment spanning 3rd- to 5th-grade math skills. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. Formative assessments help students understand areas of weakness and improve performance, while summative assessments chart progress and skill development. When used in combination with Math Foundations II (covering skills in grades 6 to 8), the courses effectively remediate computational skills and conceptual understanding needed to undertake high-school-level math courses with confidence.

Math Foundations I - Semester 1	MTH-001AV2-APL	Math Foundations I offers a structured remediation solution based on the NCTM Curricular Focal Points and is designed to expedite student progress through 3rd- to 5th-grade skills. The course is appropriate for use as remediation for students in grades 6 to 12. When used in combination, Math Foundations I and Math Foundations II (covering grades 6 to 8) effectively remediate computational skills and conceptual understanding needed to undertake high school–level math courses with confidence. Math Foundations I empowers students to progress at their optimum pace through over 80 semester hours of interactive instruction and assessment spanning 3rd- to 5th-grade math skills. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. Formative assessments help students to understand areas of weakness and improve performance, while summative assessments chart progress and skill development. Early in the course, students develop general strategies to hone their problem-solving skills. Subsequent units provide a problem-solving strand that asks students to practice applying specific math skills to a variety of real-world contexts. The content is based on the National Council of Teachers of Math (NCTM) April 2006 publication, Curricular Focal Points for Prekindergarten through Grade 8 Mathematics: A Quest for Coherence and is aligned to state standards. Length: Two semesters

Math Foundations II - Semester 1	MTH-011AV2-APL	This course brings students up to grade level—guiding them through 6th- to 8th-grade skills. It is appropriate for use as remediation at the high school level, as a bridge to high school, or as middle school curriculum. The program builds computational skills and conceptual understanding needed to undertake high-school-level math courses with confidence. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. Formative assessments help students understand areas of weakness and improve performance, while summative assessments chart progress and skill development. The course effectively remediates computational skills and conceptual understanding needed to undertake high-school-level math courses with confidence.
Math Foundations II - Semester 2	MTH-011BV2-APL	This course brings students up to grade level—guiding them through 6th- to 8th-grade skills. It is appropriate for use as remediation at the high school level, as a bridge to high school, or as middle school curriculum. The program builds computational skills and conceptual understanding needed to undertake high-school-level math courses with confidence. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. Formative assessments help students understand areas of weakness and improve performance, while summative assessments chart progress and skill development. The course effectively remediates computational skills and conceptual understanding needed to undertake high-school-level math courses with confidence.

Math Green Grade 1	CALMS3	This research-based 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 for students in Grade 1 extends their 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 non-standard units. Students identify attributes of geometric figures and also extend their work with patterns and data, including representing and comparing data.
Math Orange Grade 2	CALMS473	This research-based 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 for students in Grade 2 focuses primarily on number concepts, place value, and addition and subtraction of numbers through 1,000. Special 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.

Math Purple Grade 3	CALMS1528	This research-based 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 for students in Grade 3 provides a quick overview of whole number addition and subtraction, but has a greater focus on whole number multiplication and division, encompassing early algebraic thinking. Decimals are studied in relationship to place value and money, and fractions are addressed through multiple representations and probability. Students are introduced to specific methods and strategies to help them become more effective problem solvers. Geometry and measurement are addressed through the study of two- and three-dimensional shapes, early work with perimeter, area, and volume, and applying measuring techniques to time, length, capacity, and weight.
Math Red Grade 4	CALMS1529	This research-based 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 for students in Grade 4 moves into applications and properties of operations. Students work with simple fraction and decimal operations, which are applied in the study of measurement, probability, and data, and practice mathematical reasoning techniques. Students begin the study of equivalencies between fractions and decimals on the number line and early work with integers. Algebraic thinking is developed as students work with variables, coordinate graphing, and formulas in problems involving perimeter, area, and rate. Geometry is extended into greater classification of shapes and work with lines, angles and rotations.

Math Yellow Grade 5	CALMS1530	This research-based 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 for students in Grade 5 investigates whole numbers through practical situations in rounding, exponents and powers, and elementary number theory. Students begin addition and subtraction of integers and apply all of their work with rational numbers to problem-solving experiences. The study of algebra includes work with variables, solving equations and inequalities, using formulas within geometry and measurement, and work within the coordinate system. The study of geometry encompasses properties of lines, angles, two- and three-dimensional figures, and formal constructions and transformations.
Modern World Studies	HST202A	Students trace the history of the world from approximately 1870 to the present. They begin with a look back at events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography, and investigate issues of concern in the contemporary world.

Modern World Studies	HST202B	Students trace the history of the world from approximately 1870 to the present. They begin with a look back at events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography, and investigate issues of concern in the contemporary world.
Music Appreciation	MU8F1	This traditional music course teaches students the fundamentals of music as they relate to the piano key and a study of a select group of composers and their music. Students will complete lessons using Music Ace CD-ROM, student guides, and listening CDs. The lesson content is not online.

Music Appreciation - Semester 1	ART-020AV1-A	This course introduces students to the history, theory, and genres of music. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. The first semester covers early musical forms, classical music, and American jazz. The second semester presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide. To comply with certain state standards for the Arts, a student “performance practicum” is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills. Parents or guardians will be required to present their proposed practicum to the students’ teachers for approval, and validate their children’s regular participation in the chosen performance practicum.

Music Appreciation - Semester 2	ART-020BV1-A	This course introduces students to the history, theory, and genres of music. The course explores the history of music, from the surviving examples of rudimentary musical forms through to contemporary pieces from around the world. The first semester covers early musical forms, classical music, and American jazz. The second semester presents modern traditions, including gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip hop. The course explores the relationship between music and social movements and reveals how the emergent global society and the prominence of the Internet are making musical forms more accessible worldwide. To comply with certain state standards for the Arts, a student “performance practicum” is required for full credit each semester. The performance practicum requirement can be met through participation in supervised instrumental or vocal lessons, church or community choirs, community musical performances, or any other structured program that meets at regular intervals and provides opportunities for students to build vocal and/or instrumental skills. Parents or guardians will be required to present their proposed practicum to the students’ teachers for approval, and validate their children’s regular participation in the chosen performance practicum.

Music Beginning 1	MU1F1	Beginning 1 Music is for students of first grade age who are continuing with K12, as well as students of second grade age who are new to K12. In this course, traditional games and folk songs from many cultures help students begin to read and write simple melodic and rhythmic patterns. Students are introduced to the instruments of the orchestra through Prokofiev's classic Peter and the Wolf. They explore how music tells stories in The Sorcerer's Apprentice and are introduced to opera through a lively unit on Mozart's Magic Flute. Students will: • Sing along with folk songs • Practice moving to music • Listen actively to different kinds of music • Begin to learn how to read and write music • Learn to recognize basic melody in two and three note patterns • Identify basic rhythms in music using eights, quarters, and rests • Begin to learn about the instruments of the orchestra • Learn how different kinds of music, such as tone poems and operas, can tell stories
Music Beginning 2	MU2F1	Beginning 2 Music is for students who have completed K12's Beginning 1 Music program. Through traditional folk songs and games, students learn to read more complicated melodic patterns and rhythms. As the students listen to works by great composers, such as Vivaldi and Saint-Saens, they learn to recognize these patterns in the music. Students will: • Sing along with folk songs • Practice moving to music • Listen actively to different kinds of music • Read and write music • Learn to recognize melody in three and four note patterns • Identify rhythms in music using half notes • Become familiar with string and percussion instruments of the orchestra • Recognize duple and triple meter • Begin to understand standard musical notation

Music Concepts A	MUAF1	This traditional music course teaches students the fundamentals of music as they relate to the piano key and a study of a select group of composers and their music. Students will complete lessons using Music Ace CD-ROM, student guides, and listening CDs. The lesson content is not online.
Music Concepts B	MUBF1	This is the second course in the Music Concept Series. This is a traditional music course teaching the fundamentals of music as they relate to the piano key and a study of a select group of composers and their music. Students will complete lessons using Music Ace CD-ROM, student guides and listening CDs. The lesson content is not online.
Music Intermediate 1	MU3F1	Intermediate 1 Music is intended for students of third-grade age or older who have completed K12 Beginning 1 and 2 Music or Introduction to Music. Through traditional folk songs and games, students learn to read and write a variety of musical patterns. They learn to play simple melodies and rhythms on the recorder. They become more familiar with the orchestra, especially the woodwind and brass families, and learn about the lives and works of Bach, Handel, Haydn, Mozart and Beethoven. Students will: • Learn to play the recorder • Sing along with folk songs • Practice moving to music • Listen actively to different kinds of music • Read and write music • Learn to recognize melody in four and five note patterns • Identify rhythms in music using sixteenths, dotted half notes, and whole notes • Recognize AB and ABA form • Become familiar with string and percussion instruments of the orchestra • Become familiar with brass and woodwind instruments • Learn about the lives and music of classical composers

Music Intermediate 2	MU4F1	Intermediate 2 Music is intended for students of third grade age or older who have completed Intermediate 1 Music. The course begins by introducing notes that are lower or higher than the familiar lines and spaces of the staff. Students expand their knowl
Music Intermediate 3	MU5F1	Intermediate Music 3 begins by introducing the student to all the notes of the major scale, from low so all the way up to high do. Students also learn to recognize and sing the natural minor scale. Students expand their knowledge of rhythm with simple syncopated patterns. This semester introduces students to the Modern period in music, with listening activities to help them recognize Modern music and identify pieces by individual composers. Near the end of the year explore the folk music of the American continent as they follow the expansion of the country westward. And at the end of the year, they learn to recognize the major forms of classical music, the song form, theme and variations, rondo, sonata, and fugue forms.
Nutrition and Wellness	OTH-080V1-AVT	This 1/2 credit course will introduce the student to an overview of good nutrition principles that are needed for human physical & mental wellness. Discussion of digestion, basic nutrients, weight management, sports & fitness, and life-span nutrition is included. Application to today's food and eating trends, plus learning to assess for reliable nutrition information is emphasized. Course length: One semester Materials: None Prerequisites: None
Personal Finance	BUS-030V2-G	Students learn about different aspects of personal economics and finance in a virtual neighborhood setting. Topics include spending plans and borrowing decisions; career planning; and investing, insurance, and other financial services. Students complete activities and projects to apply the knowledge they gain to their own lives. This course may meet the needs of most students requiring financial skills or economics credit.

Physical Education A	OTH-020AV1-K	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.
Physical Education B	OTH-020BV1-K	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.
Physical Science - Semester 1	SCI-102AV1-K	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 skill in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with hands-on laboratory investigations making up half of the learning experience. This is a core level course.
Physical Science - Semester 2	SCI-102BV1-K	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 skill in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with hands-on laboratory investigations making up half of the learning experience.

Physical Science (PS)	CALMS1099	The K[12] Physical Science program 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: • Structure of atoms. • Elements and the Periodic Table. • Chemical reactions. • Forces, including gravitational, motion, acceleration, and mass. • Energy, including light, thermal, electricity, and magnetism.
Physical Science CR - Semester 1	SCI-106AVG1-K	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 skill in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with hands-on laboratory investigations making up half of the learning experience.
Physical Science CR - Semester 2	SCI-106BVG1-K	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 skill in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning, with hands-on laboratory investigations making up half of the learning experience.
Physics - Semester 1	SCI-403AV1-K	Students use quantitative concepts and tools to explore the physical world as they learn to use the language of mathematics to investigate natural phenomena. Topics of study include the conservation of mass and energy, the conservation of momentum, waves, fields, and the interactions of matter and energy.

Physics - Semester 2	SCI-403BV1-K	Students use quantitative concepts and tools to explore the physical world as they learn to use the language of mathematics to investigate natural phenomena. Topics of study include the conservation of mass and energy, the conservation of momentum, waves, fields, and the interactions of matter and energy.
Pre-Algebra - Semester 1	MTH-112AV1-K	In this course, students learn computational and problem-solving skills and the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. A textbook provides students with a ready reference and explanations that supplement the online material. Online lessons provide demonstrations of concepts, as well as interactive problems with contextual feedback. This is a core level course.
Pre-Algebra - Semester 2	MTH-112BV1-K	In this course, students learn computational and problem-solving skills and the language of algebra. Students translate word phrases and sentences into mathematical expressions; analyze geometric figures; solve problems involving percentages, ratios, and proportions; graph different kinds of equations and inequalities; calculate statistical measures and probabilities; apply the Pythagorean theorem; and explain strategies for solving real-world problems. A textbook provides students with a ready reference and explanations that supplement the online material. Online lessons provide demonstrations of concepts, as well as interactive problems with contextual feedback. This is a core level course.

Pre-Calculus/Trigonometry - Semester 1	MTH-403AV1-A	Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.
Pre-Calculus/Trigonometry - Semester 2	MTH-403BV1-A	Pre-calculus weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections in the first semester. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

Prepartory Music	MUKF1	Kindergarteners learn about music through lively activities, including listening, singing, and moving. Through games and folk songs from diverse cultures, students learn musical concepts such as high and low, or loud and soft. Creative movement activities help students enjoy the music of composers such as Grieg and Haydn. Students will: • Sing along with folk songs • Practice moving to music • Listen actively to different kinds of music • Understand concepts such as high and low, fast and slow, long and short, loud and soft • Identify and contrast beat and rhythm
Programming II-VB.Java	TCH-062V1-AVT	This introductory-level, one-semester course is designed for people who have very little programming experience. In Java Programming, students gain an understanding of Java platforms and learn how to build a stand-alone application, such as a countdown clock or leap year indicator. Students also learn the techniques of Java and how Java can be used in cross-platform programming. At the end of the course, students are able to write basic programs using Java and are prepared to pursue further instruction in any programming language. Prior coursework in computer fundamentals and programming are prerequisites for Java Programming. JDK 1.5 or a higher version Java application is required for this course.
Programming I-VB.Net	TCH-061V1-AVT	Students learn basic programming and the essential concepts of VisualBasic.net (VB.NET) in this one-semester course. As an introduction to VB.NET, students are taught the basic uses of the programming language, its similarities to the English language and others, its architecture, program flow, and its flexibility as a programming language. The course helps participants understand the processes involved in software development and object-oriented programming. This is an introductory course that could lead to careers such as software engineer, developer, or game designer. Prior coursework in computer fundamentals is a prerequisite. Visual Studio 2008 Express Edition is required software for this course.

Psychology	HST-020V2-AVT	Students explore scientific methods of research as well as the major schools of psychology as they relate to issues of aggression, addictive behavior, memory, interpersonal relations, and self-care. Topics include the importance of ethics in scientific study, psychology's application to daily life, the influence of cultural background on perception, and more.
Public Speaking	ENG-020V1-K	Students are introduced to public speaking as an important component of their academic, work, and social lives. They develop skills as public speakers by planning, organizing, writing, and delivering speeches on topics of their choosing. They learn how to be fair and critical listeners as they listen to and respond to model speeches as well as those delivered by their online classmates.
Reaching Your Academic Potential	OTH-040V1-K	Students discover their learning style—the way they process information and apply it—and develop study skills to improve academic and work performance. Topics include time management, oral communications, critical thinking, note-taking, test-taking, and researching.
Science 1	CALMS158	Students learn to perform experiments and record observations, and understand how scientists see the natural world. They germinate seeds to observe plant growth, and make a weathervane. Students will explore topics such as: • Matter—states of matter; mixtures and solutions • Weather—cloud formation; the water cycle • Animal Classification and Adaptation—insects; amphibians and reptiles; birds; mammals • Habitats—forests, deserts, rain forests, grasslands, and more; naturalist John Muir and conservation • Oceans—waves and currents; coasts; coral reefs and kelp forests; oceanographer Jacques Cousteau • Plants—germination, functions of roots, stems flowers, chlorophyll, and more • Human Body—major systems; Elizabeth Blackwell, the first woman doctor • Light—how light travels; reflections; inventor Thomas Edison

Science 2	CALMS159	Students perform experiments to develop skills of observation and analysis, and learn how scientists understand the world. They demonstrate how pulleys lift heavy objects, make a temporary magnet and test its strength, and analyze the parts of a flower. Students will explore topics such as: • Force—motion and simple machines; physicist Isaac Newton • Magnetism—magnetic poles and fields; how a compass works • Sound—how sounds are made; inventor Alexander Graham Bell • Human Body—cells; the digestive system • Geology—layers of the earth; kinds of rocks; weathering; geologist Florence Bascom • Life Cycles—plants and animals
Science 3	CALMS160	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 will explore topics such as: • Weather—air pressure; precipitation; clouds; humidity; fronts; 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; physical and chemical changes • Human Body—the musculoskeletal system; the skin • Energy—forms of energy; transfer of energy; conductors and insulators; renewable and nonrenewable energy resources • Light—light as energy; the spectrum; how the eye works • Astronomy—phases of the moon; eclipses; the solar system; stars and constellations; the Milky Way

Science 4	CALMS161	Students develop scientific reasoning and perform handson experiments in 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 will explore topics such as: • The Interdependence of Life—producers, consumers, and decomposers; food webs • Animal and Plant Interactions—populations; competition; predators and prey; symbiosis; animal behavior • Invertebrates—sponges; worms; mollusks; arthropods; echinoderms • Chemistry—mixtures vs. solutions; distillation, evaporation, and chromatography • Forces and Fluids—pressure; forces in flight; density; buoyancy • Human Body—nervous system (senses, reflexes, nerves, and brain); endocrine system (hormones, glands, growth, and digestion) • Electricity and Magnetism—charges; magnets; static electricity; currents and circuits; electromagnetism • Rocks and Minerals—the earth's interior; crystals; minerals; rock cycle; plate tectonics; volcanoes, earthquakes • The Fossil Record and the History of Life—types of fossils; the Paleozoic, Mesozoic, and Cenozoic eras

Science 5	CALMS147	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 gravity. Students will explore topics such as: • Water Resources—water pollution; conservation; aquifers; watersheds; wetlands • The World's Oceans—properties of ocean water; currents, waves, and tides; the ocean floor; marine organisms • Earth's Atmosphere—layers; weather patterns, maps, and forecasts; fronts; El Niño; and the greenhouse effect • Forces of Motion—types of pushes or pulls; position and speed; inertia; energy as a measure of work; gravity and motion • Chemistry—structure of atoms; elements and compounds; the Periodic Table; chemical reactions; acids and bases • Cells and Cell Processes—structure; membrane function; respiration and photosynthesis; growth cycles; genes and DNA • Taxonomy of Plants and Animals—levels of classification; plants, animals, monerans, viruses, protists, and fungi • Animal Physiology—circulatory, respiratory, digestive, excretory, and immune systems

Science K	CALMS181	Kindergarten students begin to develop observation skills as they learn about the five senses, the earth's composition, and the basic needs of plants and animals. Students will explore topics such as: • My Body—the five senses; major organs and systems • Plants and Animals—needs and habitats; conservationist Jane Goodall • Measurement—size, height, length, weight, capacity, and temperature • Matter—solid, liquid, and gas • The Seasonal Cycle—changing weather in the seasons • Our Earth—geographical features; taking care of the earth; environmentalist Rachel Carson • Motion—pushes and pulls; magnets • Astronomy—the earth, sun, moon, and stars; exploring space; astronauts Neil Armstrong and Sally Ride
Service Learning	PRJ-010V1-K	This semester course is based on a service project as a foundation.. An introductory unit presents instruction on the nature of service learning. Students are taught how to identify community needs, select projects that are meaningful to themselves, apply practical skills, reflect on their learning experience, and behave responsibly in a service setting. Students then move on to design and conduct service learning experiences of their own, according to the requirements of their projects. Documents to support teachers in guiding students through the project are included.

Skills for Health	OTH-010V1-A	This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; injury prevention and safety; growth and development; and personal health, environmental conservation, and community health resources. The curriculum is designed around topics and situations that engage student discussion and motivate students to analyze internal and external influences on their health-related decisions. The course helps students build the skills they need to protect, enhance, and promote their own health and the health of others. Course length: One semester Materials: None Prerequisites: None
Spanish I - Semester 1	WLG-100AV1-P	The High School Spanish I course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish I - Semester 2	WLG-100BV1-P	Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students master common vocabulary terms and phrases; learn to comprehend a wide range of grammar patterns; instigate and continue simple conversations; respond appropriately to basic conversational prompts; generate language, incorporating basic vocabulary and a limited range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).
Spanish II - Semester 1	WLG-200AV1-P	The High School Spanish II course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish II - Semester 2	WLG-200BV1-P	Students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students master common and some specialized vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue simple conversations, and respond appropriately to increasingly nuanced conversational prompts; generate language, incorporating basic and some specialized vocabulary and a range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).
Spanish III - Semester 1	WLG-300AV1-P	The High School Spanish III course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course exemplifies a marriage of the best in language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates “Avatar bucks”—by performing well on course tasks—to use to purchase materials (clothing, gadgets, scenery, etc.) at the “Avatar store”. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments. The course thoroughly meets all national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish III - Semester 2	WLG-300BV1-P	In this expanding engagement with Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish, and respond orally or in writing to these works. Students master common and some specialized vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue increasingly involved conversations, and respond appropriately to increasingly involved or open conversational prompts; generate language incorporating basic and some specialized vocabulary and a range of grammar patterns; recognize and respond to significant works of literature in Spanish; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Continuing the pattern, and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
U.S History Honors - Semester	HST-304AV1-K	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 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.

U.S History Honors - Semester 2	HST-304BV1-K	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 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.
U.S. and Global Economics	HST-412V1-A	This course uses real-world simulations to teach the issues faced by producers, consumers, investors, and taxpayers in the U.S. and around the world. Topics include markets; supply and demand; theories of early economic thinkers; theories of value; money; the role of banks, investment houses, and the Federal Reserve; and other fundamental features of capitalism. A survey of current issues in American and global markets rounds out the course. This is a core level course.
U.S. Government and Politics	HST-402V1-A	This course uses the perspective of political institutions to explore government history, organization, and functions. Students encounter the political culture of our country from the Declaration of Independence to the present day, gaining insight into the challenges faced by presidents, members of Congress, and other political participants. The course also covers the roles of political parties, interest groups, the media, and the Supreme Court. Students learn to use primary historical documents as evidence in evaluating past events and government functions. This is a core level course.

U.S. History Core - Semester 1	HST-302AV1-K	This course is a full-year survey that provides students with a view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's The American Odyssey: A History of the United States. Online lessons help students organize their study, explore topics, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.
U.S. History Core - Semester 2	HST-302BV1-K	This course is a full-year survey that provides students with a view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's The American Odyssey: A History of the United States. Online lessons help students organize their study, explore topics, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.
U.S. History Core CR - Semester 1	HST-306AVG1-K	This course is the first semester of a two-semester survey that provides students with a view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's The American Odyssey: A History of the United States. Online lessons help students organize their study, explore topics, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

U.S. History Core CR - Semester 2	HST-306BVG1-K	This course is the first semester of a two-semester survey that provides students with a view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's The American Odyssey: A History of the United States. Online lessons help students organize their study, explore topics, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.
Veterinary Science	OTH033	As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.
Web Design **	TCH-040V1-G	This course provides a comprehensive introduction to the essentials of Web design, from planning page layouts to publishing a complete site to the Web. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools from Microsoft.

World History - Semester 1	HST-102AV2-K	This course traces the development of civilizations around the world from prehistory to the present, with a special emphasis on key periods and primary sources. The course covers major events in world history, including the development and influence of human-geographic relationships, political and social structures, economics, science and technology, and the arts. Students investigate the major religions and belief systems throughout history and learn about the importance of trade and cultural exchange. Other topics include the development of agriculture, the spread of democracy, the rise of nation-states, the industrial era, the spread of imperialism, and the issues and conflicts of the 20th century. This is a core level course.
World History - Semester 2	HST-102BV2-K	This course traces the development of civilizations around the world from prehistory to the present, with a special emphasis on key periods and primary sources. The course covers major events in world history, including the development and influence of human-geographic relationships, political and social structures, economics, science and technology, and the arts. Students investigate the major religions and belief systems throughout history and learn about the importance of trade and cultural exchange. Other topics include the development of agriculture, the spread of democracy, the rise of nation-states, the industrial era, the spread of imperialism, and the issues and conflicts of the 20th century. This is a core level course.