



K12 International Academy

2020 - 2021

COURSE CATALOG

GRADES K-12



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Some courses may require families to purchase materials beyond those supplied by the K12 International Academy to successfully complete the course. For more information, please contact our school.



LOWER SCHOOL

K-5

Note: Course materials will be available in various physical and/or digital formats.

ENGLISH AND LANGUAGE ARTS

LANGUAGE ARTS BLUE (K) SUMMIT

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

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

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

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

Handwriting: Students will learn to print letters in handwriting instruction using the Zaner-Bloser curriculum.

LANGUAGE ARTS GREEN (1) SUMMIT

In this course, students receive structured lessons on readiness skills through emphasis on phonics, language skills, literature, and

handwriting to help develop comprehension, build vocabulary, and promote a lifelong interest in reading.

Phonics: There are 36 units in the Phonics program. Each unit contains five lessons. In the first four lessons, students learn new skills or practice what they’ve previously learned. The fifth lesson in each unit begins with online review and practice activities that reinforce skills learned in the unit and is followed by an offline unit assessment. In some lessons, students will read an online decodable reader. These are short, interactive stories that consist entirely of words students can read. Students will acquire the critical skills and knowledge required for reading and literacy.

Literature and Comprehension: The K12 Language Arts Literature and Comprehension program consists of 24 units of reading selections from a classic’s anthology, nonfiction magazines, trade books, and other books students choose for themselves. Progressing from read-aloud texts to shared reading to guided reading instruction, students will listen to and read a variety of poetry, fiction, and nonfiction to develop their reading comprehension skills.

Handwriting: Students will continue with handwriting instruction using the Zaner-Bloser curriculum.

Spelling: There are 18 units in K12 Spelling, which begins in the second semester of Grade 1. Each unit contains five lessons. The first lesson of a unit introduces new spelling words. In the second and third lessons, you and your students work together to practice the spelling words introduced in the first lesson. There is an online review in Lesson 4 and an offline assessment in Lesson 5. Students will master the spelling skills needed to read and write proficiently.

Vocabulary: K12 Vocabulary exposes students to a wide variety of words. There are 18 units in K12 Vocabulary. In the first eight lessons of each unit students will study three sets of related words. Lesson 9 of each unit is a review of all the words. The

10th lesson is always a Unit Checkpoint, testing students on all the words they studied.

Writing Skills: The program includes 18 alternating units of Grammar, Usage, and Mechanics lessons and Composition lessons. In odd-numbered units, students will learn grammar, usage, and mechanics skills that will help them communicate in Standard English. The fourth lesson of each unit is an online review of the unit's skills, and the fifth lesson is an offline assessment. In even-numbered composition units, students will also learn techniques for planning, organizing, and creating different kinds of writing. Each unit starts with a journal assignment that will help get students writing and generating ideas to be used in their writing assignments. The program includes rubrics and sample papers to help evaluate students' work.

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Handwriting: Students will continue with handwriting instruction using the Zaner-Bloser curriculum.

Spelling: There are 18 units in K12 Spelling, which begins in the second semester of Grade 1. Each unit contains five lessons. The first lesson of a unit introduces new spelling words. In the second and third lessons, you and your students work together to practice the spelling words introduced in the first lesson. There is an online review in Lesson 4 and an offline assessment in Lesson 5. Students will master the spelling skills needed to read and write proficiently.

Vocabulary: K12 Vocabulary exposes students to a wide variety of words. There are 18 units in K12 Vocabulary. In the first eight lessons of each unit, students will study three sets of related words. Lesson 9 of each unit is a review of all the words. The 10th lesson is always a Unit Checkpoint, testing students on all the words they studied.

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LANGUAGE ARTS ORANGE (2) SUMMIT

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

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

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

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

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

Handwriting: Students will continue to practice their printing skills using Zaner-Bloser materials.

ENGLISH LANGUAGE ARTS 3 SUMMIT

Summit English Language Arts 3 provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course comprises 14 units, including 2 assessment units. Each unit contains workshops that have one major focus (reading, writing, or word study) for instruction and reinforcement of big ideas. In reading workshops, students read independently both classic and contemporary works in different genres and formats—fiction, poetry, drama, nonfiction, and magazines—before exploring each text through various activities.

In writing workshops, students study writing models and then use the writing process to write a variety of compositions. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns that are necessary to be fluent, proficient readers, writers, and spellers.

ENGLISH LANGUAGE ARTS 4 SUMMIT

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

ENGLISH LANGUAGE ARTS 5 SUMMIT

Summit English Language Arts 5 provides a well-balanced approach to literacy that connects reading, writing, grammar, vocabulary, and spelling into one integrated program. Dedicated time for keyboarding practice is also included. The course is made up of 12 units. Each unit contains workshops that center on one major focus (reading, writing, or word study) for instruction and

reinforcement of big ideas. In reading workshops, students read independently in a variety of genres and formats—fiction, poetry, drama, nonfiction, magazines, and graphic novels—before exploring each text through various activities. In writing workshops, students analyze model writing samples and then work through the writing process to develop original compositions of their own. They learn about grammar, usage, and mechanics and apply those skills as they revise and proofread their work. In word study workshops, students grow their vocabulary by learning the meanings of groups of conceptually related words. Students also learn to focus on spelling patterns that are necessary to be fluent, proficient readers, writers, and spellers.

MATH

MATH PLUS BLUE (K) SUMMIT

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 PLUS GREEN (1) SUMMIT

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 PLUS ORANGE (2) SUMMIT

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 3 SUMMIT

Math 3 Summit is designed to support the true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 3 includes the tools and technology that students need to succeed in a blended learning environment.

Summit Math 3 focuses on reviewing patterns and number sense; discovering addition, subtraction, multiplication, and division strategies; exploring shapes and calculating area; learning about fractions and equivalent fractions; measuring time, length, liquid volume, and mass; and exploring and making data displays.

MATH 4 SUMMIT

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

MATH 5 SUMMIT

Math 5 Summit is designed to support the true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 5 includes the tools and technology that students need to succeed in a blended learning environment. Summit Math 5 focuses on expanding

understanding of operations with fractions, developing greater fluency with operations with multi-digit numbers, expanding understanding of decimals, and learning to perform operations with, decimals, learning about the coordinate plane, and exploring volume.

SCIENCE

SCIENCE K SUMMIT

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—Earth, sun, moon, and stars; exploring space; astronauts Neil Armstrong and Sally Ride

SCIENCE 1 SUMMIT

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 SUMMIT

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:

Metric System—liters and kilograms, and how scientists use them

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 SUMMIT

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 SUMMIT

Students develop scientific reasoning and perform hands-on 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—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 SUMMIT

Students perform experiments, develop scientific reasoning, and recognize science in the world around them. They build a model of a watershed, test how cell membranes function, track a hurricane, and analyze the effects of gravity. Students will explore topics such as:

Water Resources—water pollution; conservation; aquifers; watersheds; wetlands

The World's Oceans—properties of oceanwater; 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—the 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

HISTORY

HISTORY K SUMMIT

The kindergarten History program teaches the 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.

HISTORY 1 SUMMIT

This course kicks off a program that, spanning the elementary grades, provides an overview of world geography and history from the Stone Age to the Space Age. Through lively stories and activities, students will:

- Meet nomadic children in ancient Mesopotamia who settle in the Fertile Crescent.
- Explore the great pyramids in ancient Egypt and meet mighty pharaohs such as King Tut.
- Learn about the historical origins of Judaism through the stories of Abraham, Joseph, Moses, and David.
- Learn about the origins of democracy in ancient Greece, as well as the first Olympic games, the Trojan War, Alexander the Great, and the marvelous myths of the ancient Greeks.
- Visit ancient India and hear stories of the historical origins of Hinduism and Buddhism.
- Travel down great rivers in ancient China, hear the wisdom of Confucius, and witness the building of the Great Wall.

HISTORY 2 SUMMIT

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 3 SUMMIT

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 4 SUMMIT

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 the 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.

SUMMIT AMERICAN HISTORY BEFORE 1865

The first half of a detailed two-year survey of the history of the United States, this course takes students from the arrival of the first people in North America through the Civil War and Reconstruction. Lessons integrate topics in geography, civics, and economics.

Building on the award-winning series *A History of US*, the course guides students through critical episodes in the story of America. Students investigate Native American civilizations; follow the path of European exploration and colonization; assess the causes and consequences of the American Revolution; examine the Constitution and the growth of the new nation; and analyze what led to the Civil War and its aftermath.

ART

ART K SUMMIT

Kindergarten students are introduced to the elements of art—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.

ART 1 SUMMIT

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-lives, 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 SUMMIT

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 the 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 narrative landscape and design stained glass windows inspired by the Cathedral of Notre Dame in Paris.

ART 3 SUMMIT

Following the timelines 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 self-portraits, 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 drawings, and they make prints showing the features and symmetry of the Taj Mahal.

ART 4 SUMMIT

Following the timeline 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, sculptures, collages, 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 clay sculptures of a figure in action, and, inspired by works of Grandma Moses, they create winter landscapes demonstrating the illusion of space.

SUMMIT INTERMEDIATE AMERICAN ART I +

Summit Intermediate Art: Intermediate American Art I include an introduction 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 art of the American Indians, and Colonial and Federal America; and create artworks inspired by works they learn about, using many materials and techniques. For example, after studying John James Audubon's extraordinary paintings of birds, students make bird paintings with realistic color and texture.

MUSIC

SPOTLIGHT ON MUSIC, GRADES K–2

Explore and build foundational music skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, and authentic sound recordings. Music comes to life in the course through six units that are organized into three sections: Spotlight on Concepts, Spotlight on Music Reading, and Spotlight on Celebrations.

Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore music from around the world while also exploring beat, meter, rhythm, melody, harmony, texture, form, tone color, dynamics, tempo, style, and music background.

Students also have the opportunity to perform seasonal and celebratory songs.

SPOTLIGHT ON MUSIC, GRADES 3–5

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

WORLD LANGUAGES

Elementary World Language courses will only be offered for Fall start dates.

BEGINNING SPANISH I

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

BEGINNING SPANISH II

This K-2, Level 2 Exposure version is the second level of the introductory Spanish course, following the same instructional structure students were introduced to in the K-2, Level 1 Exposure Spanish course. It continues the exploration of the language through an immersive, fun, interactive experience designed for younger learners. In each unit, students are immersed in a different virtual world where they meet unique characters who send them on a series of engaging tasks to acquire the vocabulary, learn the culture, and further their acquisition of basic Spanish skills. The content and characters for each unit are based on an authentic story, myth, or legend from a Spanish-speaking culture. Students also learn an authentic song, take part in a karaoke sing-along, and watch a culture video. This second-level introductory course continues the focus on vocabulary acquisition and expression through simple words and phrases. While all 4 skills are present in the course, the focus is on developing vocabulary and audio recognition skills as well as speaking abilities. In this course, students will complete 10 units of content and 2 review units. Each unit of content is separated into 6 lessons.

BEGINNING FRENCH I

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

INTERMEDIATE FRENCH I

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

INTERMEDIATE FRENCH II

The Level 2 French course is the second year of introductory French for students in grades 3-5. The content of each unit is based on an authentic story, myth, or legend from a French-speaking culture. Each story provides a framework for students to learn vocabulary, acquire basic grammar principles, practice pronunciation, and explore cultural topics. Story and song animations, practice activities, games, and assessments encourage students to engage with the French language in a rewarding, low-stress environment. As students move through the course, they will become more comfortable with the sounds and rhythms of French. They will learn simple French phrases related to each theme and continue to read, write, speak, and listen for meaning. They will also come to recognize some of the history, practices, and products that define French-speaking cultures around the world.

Prerequisite: Intermediate French Level 1

INTERMEDIATE GERMAN I

The Intermediate German I course consists of approximately 90 lesson days formatted in an intuitive calendar view, which can be taught over a semester. The content for each unit is based on an immersive authentic German story that ties in the vocabulary from the unit. Although the course focuses principally on vocabulary acquisition, basic grammar principles are intuitively grasped through the story, games, activities, and assessments. Culture lessons are presented through multimedia lessons covering cultural aspects of major German-speaking areas in Europe.

BEGINNING CHINESE I

This introductory Chinese course provides a fun, interactive experience for a student's first exposure to the Chinese language. The content for each unit is based on an authentic story from China. This course, designed specifically for younger students, focuses principally on vocabulary acquisition through stories, games, songs, and practice activities.

Students are exposed to the Chinese language and Chinese-speaking cultures in a fun environment where they can explore meanings and begin to express themselves through simple words and phrases.

INTERMEDIATE CHINESE I

Students are introduced to Mandarin Chinese through a series of dynamic and engaging animations based on authentic Chinese stories. These stories share an aspect of Chinese culture and language from famous myths to historical tales familiar to all Chinese children. Each story introduces key vocabulary words and phrases that are then practiced through a series of interactive games and activities. In addition, other video and media materials are used to further demonstrate culture and daily life in China. Students are introduced to simplified Characters throughout the course and targeted character-based activities help to prepare students how to read and write Chinese characters. Students are challenged with comprehension quizzes at the end of every unit, as well as teacher-graded assignments where they will be able to speak Mandarin Chinese. All of the materials in the course are designed to familiarize students with Chinese culture, characters, vocabulary, and simple phrases.

INTERMEDIATE SPANISH I

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

INTERMEDIATE SPANISH II

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

ORIENTATION

WELCOME TO ONLINE LEARNING

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



COURSE LIST LOWER SCHOOL

ENGLISH/LANGUAGE ARTS
Language Arts Blue (K) Summit
Language Arts Green (1) Summit
Language Arts Orange (2) Summit
English Language Arts 3 Summit
English Language Arts 4 Summit
English Language Arts 5 Summit
MATH
Math Plus Blue (K) Summit
Math Plus Green (1) Summit
Math Plus Orange (2) Summit
Math 3 Summit
Math 4 Summit
Math 5 Summit
SCIENCE
Science K Summit
Science 1 Summit
Science 2 Summit
Science 3 Summit
Science 4 Summit
Science 5 Summit
HISTORY/SOCIAL SCIENCES
History K Summit
History 1 Summit
History 2 Summit
History 3 Summit
History 4 Summit
Summit American History Before 1865
WORLD LANGUAGES
Beginning Chinese I (K-2)
Intermediate Chinese I (3-5)
Intermediate German I (3-5)
Beginning French I (K-2)
Intermediate French I(3-5)
Intermediate French II (3-5)
Beginning Spanish I (K-2)
Beginning Spanish II (K-2)
Intermediate Spanish I (3-5)
Intermediate Spanish II (3-5)

ART
Art K Summit
Art 1 Summit
Art 2 Summit
Art 3 Summit
Art 4 Summit
Summit Intermediate American Art I
MUSIC
Spotlight on Music Grade K
Spotlight on Music Grade 1
Spotlight on Music Grade 2
Spotlight on Music Grade 3
Spotlight on Music Grade 4
Spotlight on Music Grade 5
ORIENTATION
Welcome to Online Learning

Course materials will be available in various formats, which may include physical and/or digital materials.



Note: Course materials will be available in various digital formats.

ENGLISH AND LANGUAGE ARTS

SUMMIT LANGUAGE ARTS 6

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

SUMMIT LANGUAGE ARTS 7

This course continues the development of comprehension and analysis of informational and fictional texts with an ongoing emphasis on reading strategies. Students express themselves using standard (formal) English in written and oral presentations. Analyzing and practicing the form and structure of various genres of writing enhances students' communication skills. Students study a variety of media to understand informational and persuasive techniques, explicit and implied messages, and how visual and auditory cues affect messages. Grammar, usage, and mechanics skills are deepened. Students continue to widen their vocabulary and apply acquisition strategies. The course includes discussion

activities that engage students in the curriculum while creating a sense of community.

SUMMIT LANGUAGE ARTS 8

Throughout this course, students engage in literary analysis and close reading of short stories, poetry, drama, novels, and informational texts. The course focuses on the interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills in standard (formal) English. Students read "between the lines" to interpret literature and go beyond the text to discover how the culture in which a work of literature was created contributes to the theme and ideas it conveys.

Analysis of the structure and elements of informational texts and media help students develop the skills needed for academic success and navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary. Implementing reading strategies, self-monitoring progress, and reflecting on successes and challenges help students become metacognitive learners. The course includes discussion activities that engage students in the curriculum while creating a sense of community.

MATH

PRE-ALGEBRA

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra. Students extend their understanding of ratio to develop an understanding of proportions and solve problems including scale drawings, percent increase, and decrease, simple interest, and tax. Students extend their understanding of numbers and properties of operations to include rational numbers. Signed rational

numbers are contextualized and students use rational numbers in constructing expressions and solving equations. Students derive formulas and solve two-dimensional area problems including the area of composite figures. In three dimensions, students find the surface area using formulas and nets. Students also compute the volume of three-dimensional objects including cubes and prisms.

Students make use of sampling techniques to draw inferences about a population including comparative inferences about two populations. Students also investigate chance processes through experimental and theoretical probability models.

Course Length: Two semesters

Prerequisite: Summit Math 6 (or equivalent)

SUMMIT MATH 6

In this Math 6 Summit course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency.

Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division and preparation for work with proportional relationships in Math 7. Students also make connections among area, volume, and surface area and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations.

SUMMIT MATH 7

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

SUMMIT MATH 8

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

SCIENCE

SUMMIT EARTH SCIENCE

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

SUMMIT LIFE SCIENCE

The life science curriculum invites students to investigate the world of living things—at levels both large and small—by reading, observing, and experimenting with aspects of life on Earth. Students explore 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.

SUMMIT PHYSICAL SCIENCE

The 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 matter, atoms, molecules, chemical reactions, motion, force, momentum, work and machines, energy, waves, electricity, light, and other aspects of chemistry and physics.

Among other subjects, students study the structure of atoms; the elements and the Periodic Table; chemical reactions; forces, including gravitational, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism.

HISTORY AND SOCIAL SCIENCE

SUMMIT AMERICAN HISTORY SINCE 1865

In the second half of a detailed two-year survey of the history of the United States, this course takes students from the westward movement of the late 1800s to the present. Lessons integrate topics in geography, civics, and economics. The course guides students through critical episodes in the story of America.

Students examine the effect of the settlement of the American West; investigate the social, political, and economic changes that resulted from industrialization; explore the changing role of the United States in international affairs from the late nineteenth century through the end of the Cold War, and trace major events and trends in the United States from the Cold War through the first decade of the twenty-first century.

SUMMIT WORLD HISTORY I

K12 Summit World History I survey 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 changes 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.

SUMMIT WORLD HISTORY II

Continuing a survey of World History from prehistoric to modern times, K12 online lessons and assessments complement the second volume of *The Human Odyssey*, 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 before 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 and society at the turn of the twentieth century

ART

SUMMIT INTERMEDIATE AMERICAN ART II +

ART06 Summit Intermediate American Art II lessons include an introduction to the artists, cultures, and great works of American art and architecture from the end of the Civil War through modern times. Students will investigate paintings done in various styles, from impressions to pop; learn about modern sculpture and folk art; discover how photographers and painters have inspired one another; examine examples of modern architecture, from skyscrapers to art museums; and create artworks inspired by works they learn about.

SUMMIT INTERMEDIATE WORLD ART I +

ART07 Summit Intermediate World Art I lessons include an introduction to the artists, cultures, and great works of world art and architecture from ancient through medieval times. Students will investigate how artists from different civilizations used various techniques, from painting to mosaic; examine elements of design and styles of decoration, from the spiral to the solar disk; and explore some of the best-preserved works from ancient tombs, including the treasures of Egypt's King Tut.

SUMMIT INTERMEDIATE WORLD ART II +

ART08 Summit Intermediate World Art II lessons include an introduction to the artists, cultures, and great works of world art and architecture from the Renaissance through modern times. Students will study various works of art from the Renaissance and beyond; discover great works of art and see how they influenced later artists; compare and contrast works from many civilizations, from paintings to sculpture, architecture, book covers, prints, and more; and create art works inspired by works they learn about.

MUSIC

SPOTLIGHT ON MUSIC, GRADE 6

Get ready to travel the world through music as students explore and build foundational music skills with Spotlight on Music. This

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

SPOTLIGHT ON MUSIC, GRADES 7-8

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

WORLD LANGUAGES

MIDDLE SCHOOL SPANISH I

This fun, interactive course for middle school students is filled with diverse multimedia language activities. The instruction is equivalent to that found in the first semester of high school Spanish I. Students begin their introduction to Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading, and listening comprehension activities speaking and writing activities,

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

Note: Also suitable for the student so for other ages, depending upon background and experience.

MIDDLE SCHOOL SPANISH II

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

Prerequisite: Middle School Spanish 1 (or equivalent)

MIDDLE SCHOOL FRENCH I

This fun, interactive course for middle school students is filled with diverse multimedia language activities. The instruction is equivalent to that found in the first semester of high school French I. Students begin their introduction to French by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading, and

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

Note: Also suitable for students so for other ages, depending upon background and experience.

MIDDLE SCHOOL FRENCH II

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

Prerequisite: Middle School French 1 (or equivalent)

MIDDLE SCHOOL GERMAN I

This fun, interactive course for middle school students is filled with diverse multimedia language activities. The instruction is equivalent to that found in the first semester of high school German I. Students begin their introduction to German by focusing on the four key areas of world language study: listening, speaking, reading, and writing.

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

Note: Also suitable for students of other ages, depending upon background and experience.

MIDDLE SCHOOL GERMAN II

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

Prerequisite: Middle School German 1 (or equivalent)

MIDDLE SCHOOL LATIN I

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

Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches that include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. Students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of periods. Students should expect to be actively engaged in their language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments by which their language progression can be monitored.

Note: Also suitable for students so for other ages, depending upon background and experience.

MIDDLE SCHOOL LATIN II

Students continue their language-learning adventure by progressing to this next level of middle school Latin.

The instruction is equivalent to that found in the second semester of high school Latin I. Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches that include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. Students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of periods. Students should expect to be actively engaged in their

own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical context of the ancient sources they study and take frequent assessments by which their language progression can be monitored.

Note: Also suitable for students of other ages, depending upon background and experience.

Prerequisite: K12 Middle School Latin 1 (or equivalent)

MIDDLE SCHOOL CHINESE I

This fun, interactive course for middle school students is filled with diverse multimedia language activities. The instruction is equivalent to that found in the first semester of high school Chinese I. Students begin their introduction to Chinese by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading, and listening comprehension activities speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course and specific character practices help students learn characters. Students should expect to be actively engaged in their own language learning; become familiar with common vocabulary terms and phrases; comprehend a wide range of grammar patterns; participate in simple conversations and respond appropriately to basic conversational prompts; analyze and compare cultural practices, products, and perspectives of various Chinese-speaking countries; and take frequent assessments by which their language progression can be monitored.

Note: Also suitable for students of other ages, depending upon background and experience.

MIDDLE SCHOOL CHINESE II

Students continue their introduction to Chinese by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading, and listening comprehension activities speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational

examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together throughout the course and specific character practices are introduced after the first quarter. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Chinese-speaking regions, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Note: Also suitable for students of other ages, depending upon background and experience.

Prerequisite: K12 Middle School Chinese 1 (or equivalent)

CAREER READINESS ELECTIVES

MIDDLE SCHOOL CAREER EXPLORATIONS I

When you think about your future, what careers do you see? Police officer, nurse, farmer, or restaurant manager? In Middle School Career Exploration, you'll explore careers in over fifteen different career areas. From the energy field to human resources and from law to transportation, you'll learn more about what careers are available and what you need to do to get there. In addition, you'll examine how to choose the career that is best for you based on your own unique personality and interests as well as how you can begin developing your leadership skills now. Middle School Career Exploration will help you prepare for your future now!

MIDDLE SCHOOL CAREER EXPLORATIONS 2

Imagine that it's 20 years from now. What career do you see yourself in? What do you imagine that you'll be doing? Will you be fighting forest fires or engineering the next rocket into space? With all the careers available, it can be difficult to narrow them down. In Middle School Career Exploration II, we'll explore more careers and what it takes to succeed in them. You'll learn more about what steps to take to prepare for your career and how to compare the pros and cons of different career choices. Finally, you'll get the chance to try out parts of different careers to see if you're a perfect fit!

INTRODUCTION TO THE INTERNET

TCH006 Introduction to the Internet is a CodeHS introductory computer science course that teaches the basics of designing a web page, and how information is represented digitally and sent over the Internet. Students will create a personal portfolio website showing projects they build throughout the course. With a unique focus on creativity, problem-solving, and project-based learning, Introduction to the Internet gives students the opportunity to explore several important topics of computing using their own ideas and creativity to develop an interest in computer science that will foster further endeavors in the field. Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the concepts covered in the unit.

WORLD OF COMPUTING

TCH007 World of Computing is a CodeHS introductory computer science course introducing the basics of programming with Karel the Dog, and the history and impact of computing. Students will learn to code using blocks to drag and drop, but they can switch between blocks and text as desired. With a unique focus on creativity, problem-solving, and project-based learning, World of Computing gives students the opportunity to explore several important topics of computing using their own ideas and creativity to develop an interest in computer science that will foster further endeavors in the field. Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the concepts covered in the unit.

WEB DESIGN

Students learn about the technology used in day-to-day life as well as explore how the Internet functions. Students are introduced to the basics of computer science and discover how to create and build a website using HTML and CSS. Programming languages such as JavaScript and Python are also explored.

ORIENTATION

WELCOME TO ONLINE LEARNING

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



COURSE LIST MIDDLE SCHOOL

ENGLISH/LANGUAGE ARTS
Summit Language Arts 6
Summit Language Arts 7
Summit Language Arts 8
MATH
Summit Math 6
Summit Math 7
Summit Math 8
Pre-Algebra
SCIENCE
Summit Earth Science
Summit Life Science
Summit Physical Science
HISTORY/SOCIAL SCIENCES
Summit American History Since 1865
Summit World History I
Summit World History II
WORLD LANGUAGES
Middle School Chinese I
Middle School Chinese II
Middle School French I
Middle School French II
Middle School German I
Middle School German II
Middle School Latin I
Middle School Latin II
Middle School Spanish I
Middle School Spanish II

ART
Summit Intermediate American Art II +
Summit Intermediate World Art I +
Summit Intermediate World Art II +
MUSIC
Spotlight on Music 6 +
Spotlight on Music 7 +
Spotlight on Music 8 +
CAREER READINESS ELECTIVES
Middle School Career Explorations 1 +
Middle School Career Explorations 2 +
Introduction to the Internet 6
World of Computing 7
Web Design 8
ORIENTATION
Introduction to Online Learning

+ Course is graded on a Pass (P) / Fail (F) basis.

Course materials will be available in various formats, which may include physical and/or digital materials.



UPPER SCHOOL

9-12

To graduate and receive an Upper School diploma, students must earn 24 credits in the following subject areas and be enrolled as a full-time student for at least two consecutive semesters.

English	4 credits
Math	4 credits (Algebra 1 and higher)
Science	4 credits (must include 2 lab science credits)
History and Social Sciences	4 credits (must include 1 credit of U.S. History)
World Languages	2 credits (must be 2 credits of the same language; must be a non-English language course)
Physical Education	0.5 credit
Health	0.5 credit
Electives	5 credits
TOTAL	24 credits

Students must complete minimum of six (6) credits and must spend one academic year enrolled as a full-time student with K12 International Academy to be eligible for a K12 International Academy diploma. Individual exceptions will be considered for students with credits from a public school or accredited private institution with a grade of C or above in all courses, provided that the student completes one academic year as a full-time student with K12 International Academy.

A student must be FULL-TIME for their senior year (the two last semesters of a student's senior year must be consecutive) to be eligible for a diploma.

High School Course Levels

- In comprehensive courses, students do extensive writing and research projects and tackle problems that require analytical thinking. Course projects and activities also demand independent thinking and self-discipline.
- Honors courses hold students to a greater degree of accountability and demand even greater independence and self-discipline. Students synthesize and evaluate information and concepts from multiple sources and read texts typically assigned in college-level courses. Students also demonstrate college-level writing in essays that require analysis of primary and secondary sources, responsible use of evidence, and comprehensive citation of sources.
- AP® courses are college-level courses that follow the curriculum specified by the College Board. These courses are designed to prepare students for success on AP® exams, providing students the opportunity to earn credit at most of the nation's colleges and universities.

Note: Course materials will be available in various physical and/or digital formats.

ENGLISH

(These courses fulfill the English Credit Requirement)

ENG108E2: SUMMIT ENGLISH 9

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

Course Length: Two semesters

Prerequisites: Literary Analysis and Composition (Grade 8), or equivalent

ENG109E2: SUMMIT ENGLISH 9 HONORS

The Summit English 9 Honors course includes engaging and interactive instruction about reading, writing, speaking and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to grade 9.

Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. This course includes all the topics in ENG108 as well as several extension activities. Each semester also includes an independent honors project.

Course Length: Two semesters

Prerequisites: Literary Analysis and Composition (Grade 8) (or equivalent)

ENG208E2: SUMMIT ENGLISH 10

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

Course Length: Two semesters

Prerequisite: ENG108 Summit English 9

ENG209E2: SUMMIT ENGLISH 10 HONORS

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

Course Length: Two semesters

Prerequisites: ENG109 Summit English 9 Honors

ENG303: SUMMIT AMERICAN LITERATURE

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

Course Length: Two semesters

Prerequisite: ENG208 Summit English 10

ENG304: SUMMIT AMERICAN LITERATURE HONORS

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

their knowledge of grammar, usage, and mechanics. Students enrolled in this challenging course will also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum.

Course Length: Two semesters

Prerequisites: ENG208 Summit English 10 Honors

ENG403: SUMMIT BRITISH AND WORLD LITERATURE

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

Course Length: Two semesters

Prerequisite: ENG303 Summit American Literature

ENG404: SUMMIT BRITISH AND WORLD LITERATURE HONORS

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

Course Length: Two semesters

Prerequisites: ENG304 Summit American Literature Honors

ENG500E3: AP® ENGLISH LANGUAGE AND

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

Course Length: Two semesters

Prerequisites: Success in ENG208 Summit English 10 or ENG209 Summit English 10 Honors and teacher/school counselor recommendation

ENG510E3: AP® ENGLISH LANGUAGE AND COMPOSITION

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

Course Length: Two semesters

Prerequisite: ENG500 AP® English Language and Composition

MATH

(These courses fulfill the Math Credit Requirement)

MTH128: SUMMIT ALGEBRA I

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

Course Length: Two semesters

Prerequisite: Summit Math 8 or Pre-Algebra (or equivalent)

MTH129 SUMMIT ALGEBRA 1 HONORS

K12's Summit Algebra 1 course is intended to formalize and extend the mathematics that students learned in the middle grades. Because it is built to follow revised middle school math courses, the course covers slightly different ground than previous versions of Algebra. In this course, students deepen their understanding of linear and exponential relationships by contrasting them with each other. Students also apply linear models to data that exhibit a linear trend. The course also covers analyzing, solving, and using quadratic functions.

Course Length: Two semesters

Prerequisites: Summit Math 8 or Pre-Algebra (or equivalent)

MTH209: SUMMIT GEOMETRY HONORS

This Summit Geometry Honors course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include similarity and congruence, analytic geometry, circles, the Pythagorean theorem, right triangle trigonometry, analysis of three-dimensional objects, conic sections, and geometric modeling. This course includes all the topics in MTH208 as well as several extension activities. Each semester also includes an independent honors project.

Course Length: Two semesters

Prerequisites: Algebra 1 (or equivalent)

MTH308: SUMMIT ALGEBRA II

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

Course Length: Two semesters

Prerequisites: Algebra 1 and Geometry (or equivalents)

MTH309: SUMMIT ALGEBRA II HONORS

This Summit Algebra 2 Honors course, students build on their work with linear, quadratic, and exponential functions, and extend their repertoire to include polynomial, rational, radical, and trigonometric functions. Students also expand their ability to model situations and solve equations, the course covers sequences and series, probability distributions, and more advanced data analysis techniques. This course includes all the topics in MTH308 as well as several extension activities. Each semester also includes an independent honors project.

Course Length: Two semesters

Prerequisite: Algebra 1 and Geometry (or equivalents)

MTH307: SUMMIT PRACTICAL MATH

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

Course Length: Two semesters

Prerequisites: Algebra I and Geometry

MTH403: SUMMIT PRE-CALCULUS/ TRIGONOMETRY

Pre-calculus weaves together concepts of algebra and geometry 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 quadratic, exponential, logarithmic, radical, polynomial, and rational functions; matrices; and conic sections in the first semester. The second semester covers an introduction to infinite series, trigonometric ratios, functions, and equations; inverse trigonometric functions; applications of trigonometry, including vectors; polar equations, and polar form of complex numbers; arithmetic of complex numbers; and parametric equations.

Connections are made throughout the course to calculus and a variety of other fields related to mathematics. Purposeful concentration is placed on how the concepts covered relate to each other. Demonstrating the connection between algebra and the geometry of concepts highlight the interwoven nature of the study of mathematics.

Course Length: Two semesters

Prerequisite: Geometry and Algebra II

MTH413: SUMMIT PROBABILITY AND STATISTICS

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

Course Length: One semester

Prerequisite: Algebra II (or equivalent)

MTH433: SUMMIT CALCULUS

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivatives, and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

Course Length: Two semesters

Prerequisites: Pre-Calculus and Trigonometry (or equivalent)

MTH500E3: AP® CALCULUS AB

In AP® Calculus AB, students learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Instead of simply getting the right answer, students learn to evaluate the soundness of proposed solutions and to apply mathematical reasoning to real-world models.

Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. The equivalent of an introductory college-level calculus course, AP® Calculus AB prepares students for the AP® exam and further studies in science, engineering, and mathematics.

Course Length: Two semesters

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

MTH510E3: AP® STATISTICS

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

Course Length: Two semesters

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

SCIENCE

(These courses fulfill the Science Credit Requirement)

Many of the science courses will have lab assignments. Before these assignments, students will be responsible for obtaining some lab materials (such as common household items). The materials that are needed for each lab are listed in the Advanced Preparation section of the corresponding unit.

SCI102E3: SUMMIT PHYSICAL SCIENCE

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

Course Length: Two semesters

Prerequisite: K¹² Middle School Physical Science (or equivalent)

SCI113E3: SUMMIT EARTH SCIENCE

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

Course Length: Two semesters

Prerequisite: K¹² Middle School Earth Science (or equivalent)

SCI114E3: SUMMIT EARTH SCIENCE HONORS

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

Additional honors assignments include debates, research papers, extended collaborative laboratories, and virtual laboratories.

Course Length: Two semesters

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

SCI203E3: SUMMIT BIOLOGY

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

Course Length: Two semesters

Prerequisite: Middle School Life Science (or equivalent)

SCI204E3: SUMMIT BIOLOGY HONORS

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

Course Length: Two semesters

Prerequisites: K¹² Middle School Life Science (or equivalent), success in previous science course; and teacher/school counselor recommendation

SCI303E3: SUMMIT CHEMISTRY

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

Course Length: Two semesters

Prerequisites: Satisfactory completion of either K12 Middle School Physical Science or Physical Science and a solid grasp of algebra basics, evidenced by success in Algebra I (or equivalents)

SCI304E3: SUMMIT CHEMISTRY HONORS

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

Course Length: Two semesters

Prerequisites: Satisfactory completion of either K12 Middle School Physical Science or Physical Science and a solid grasp of algebra basics, evidenced by success in Algebra I (or equivalents) and teacher/school counselor recommendation

SCI403: SUMMIT PHYSICS

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

Course Length: Two semesters

Prerequisites: Algebra II and Pre-Calculus/Trigonometry (or equivalents) (Pre- Calculus/Trigonometry strongly recommended as a prerequisite, but this course may instead be taken concurrently with SCI403)

SCI404: SUMMIT PHYSICS HONORS

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

Course Length: Two semesters

Prerequisites: Prerequisites: Algebra II or Honors Algebra II and Pre- Calculus/Trigonometry (Pre-Calculus/Trigonometry strongly recommended as a prerequisite, but this course may instead be taken concurrently with SCI404); and teacher/ school counselor recommendation

SCI500: AP® BIOLOGY

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

Course Length: Two semesters

Prerequisites: SCI204: Honors Biology, SCI304: Honors Chemistry, Honors Algebra I (or equivalents); and teacher/school counselor recommendation required; success in Honors Algebra II highly recommended

SCI510: AP® CHEMISTRY

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

Course Length: Two semesters

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

SCI530E4: AP® ENVIRONMENTAL SCIENCE

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

Course Length: Two semesters

Prerequisites: SCI204: Honors Biology, SCI114: Honors Earth Science, Honors Algebra II (or equivalents); and teacher/school counselor recommendation required

SCI010: ENVIRONMENTAL SCIENCE

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

Course Length: One semester

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

SCI030E2: FORENSIC SCIENCE

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

Course Length: One semester

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

HISTORY AND SOCIAL SCIENCE

(These courses fulfill the History Credit Requirement)

HST103: SUMMIT WORLD HISTORY

In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement World History: Our Human Story, a textbook written and published by K12. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects— practicing

historical thinking and writing skills as they explore the broad themes and big ideas of human history

Course Length: Two semesters

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

HST104: SUMMIT WORLD HISTORY HONORS

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

Course Length: Two semesters

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

HST203: SUMMIT MODERN WORLD STUDIES

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

Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Course Length: Two semesters

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

HST204: SUMMIT MODERN WORLD STUDIES HONORS

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

Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester.

Course Length: Two semesters

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

HST213: SUMMIT GEOGRAPHY AND WORLD CULTURES

This course examines a broad range of geographical perspectives covering all the major regions of the world. Students see the similarities and differences among the regions as they explore the locations and physical characteristics, including absolute and relative location, climate, and significant geographical features. They look at each region from cultural, economic, and political perspectives, and closely examine the human impact on each region. Students take diagnostic tests that assess their current knowledge and generate individualized study plans, so students can focus on topics that need review. Audio readings and vocabulary lists in English and Spanish support reading comprehension.

Course Length: Two semesters

HST303: SUMMIT U.S. HISTORY

This course is a full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice skills of historical

thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

Course Length: Two semesters

Prerequisites: HST103: World History or HST203: Modern World Studies (or equivalents)

HST304: SUMMIT U.S. HISTORY HONORS

This course is a challenging full-year survey that provides students with a comprehensive view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics in-depth, review in preparation for assessments, and practice advanced skills of historical thinking and analysis.

Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research. Students complete independent projects each semester.

Course Length: Two semesters

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

HST403: SUMMIT U.S. GOVERNMENT AND POLITICS

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

Course Length: One semester

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

HST413: SUMMIT U.S. AND GLOBAL ECONOMICS

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

Course Length: One semester

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

HST510: AP® U.S. GOVERNMENT & POLITICS

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 analytical 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.

Course Length: One semester

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

HST500: AP® U.S. HISTORY

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

recommended by the College Board and to widely used textbooks. The course prepares students for the AP® Exam.

Course Length: Two semesters

Prerequisite: Success in a previous history course and teacher/ school counselor recommendation

HST520: AP® MACROECONOMICS

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

Course Length: One semester

Prerequisites: MTH309: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation

HST530: AP® MICROECONOMICS

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

Course Length: One semester

Prerequisites: MTH309: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation

HST540: AP® PSYCHOLOGY

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

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

Course Length: One semester

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

HST560: AP® WORLD HISTORY

The course focuses on developing a greater understanding of the processes, contacts, interactions, and ideas that have shaped the world, with an emphasis on non-Western history. Content spans the Neolithic Age to the present in a rigorous academic form at organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human-environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition, to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing and supplying context for events and phenomena, and developing historical interpretation. Students prepare for the AP® World History exam.

Course Length: Two semesters

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

HEALTH AND P.E.

OTH010: SUMMIT SKILLS FOR HEALTH

This course focuses on important skills and knowledge in nutrition; physical activity; the dangers of substance use and abuse; sex education; 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 health and the health of others.

Course Length: One semester

OTH020: SUMMIT PHYSICAL EDUCATION

This pass/fail course combines online instructional guidance with student participation in weekly cardiovascular, aerobic, muscle-toning, and other activities. Students fulfill course requirements by keeping weekly logs of their physical activity. The course promotes the value of lifetime physical activity and includes instruction in injury prevention, nutrition, and yet, 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.

Course Length: Two semesters

WORLD LANGUAGES

(These courses fulfill the World Language Credit Requirement)

WLG100: SPANISH I

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

Course Length: Two semesters

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

WLG200: SPANISH II

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading, and

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

Course Length: Two semesters

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

WLG300: SPANISH III

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

Course Length: Two semesters

Prerequisite: WLG200: Spanish II (or equivalent)

WLG500: AP® SPANISH LANGUAGE AND CULTURE

The AP® Spanish Language and Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communicative skills. The AP® Spanish Language and Culture course prepares students for the AP® Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal,

Interpretive, and Presentational) as defined in the Standards for Foreign Language Learning in the twenty-first century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material.

Course Length: Two semesters

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

WLG110: FRENCH I

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

Course Length: Two semesters

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

WLG210: FRENCH II

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

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

Course Length: Two semesters

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

WLG310: FRENCH III

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

Course Length: Two semesters

Prerequisite: WLG210: French II (or equivalent)

WLG510: AP® FRENCH LANGUAGE AND CULTURE

The AP® French Language and Culture course is an advanced language course in which students prepare for the AP® French Language and Culture exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning.

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

Course Length: Two semesters

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

WLG120: GERMAN I

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

Course Length: Two semesters

Note: Students who have already completed Middle School German2 should enroll in German II rather than in German I.

WLG220: GERMAN II

Students continue their study of German by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading, and listening comprehension activities speaking and writing activities, multimedia cultural presentations, and interactive activities and

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

Course Length: Two semesters

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

WLG130: LATIN I

Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. Students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of periods. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical context of the ancient sources they study and take frequent assessments where their language progression can be monitored.

Course Length: Two semesters

Note: Student who have already completed Middle School Latin 2 should enroll in Latin II rather than in Latin I.

WLG230: LATIN II

Students continue with their study of Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, prepare students for a

deeper study of Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. The emphasis is on reading Latin through engaging with myths from the ancient world which are presented in Latin. Students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, understand and use common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored.

Course Length: Two semesters

Prerequisite: WLG130: Latin I (or equivalent)

WLG140: CHINESE I

Students begin their introduction to Chinese by focusing on the four key areas of world language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning.

Each unit consists of a new vocabulary theme and grammar concept, reading, and listening comprehension activities speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Both Chinese characters and pinyin are presented together through the course and specific character practices are introduced after the first quarter. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Chinese-speaking regions, and take frequent assessments where their language progression can be monitored.

Course Length: Two semesters

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

WLG240: CHINESE II

Students continue their study of Chinese by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading, and

listening comprehension activities speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Character recognition and practice are a key focus of the course and students are expected to learn several characters in each unit. However, pinyin is still presented with characters throughout the course to aid in listening and reading comprehension. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various Chinese-speaking regions, and take frequent assessments where their language progression can be monitored.

Course Length: Two semesters

Prerequisites: WLG140: Chinese I, Middle School Chinese 1 and 2 (or equivalents)

BUSINESS MANAGEMENT ELECTIVES

BUS045: ENTREPRENEURSHIP I

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

Course Length: One semester

BUS055: ENTREPRENEURSHIP II

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

Course Length: One semester

Prerequisite: BUS045 Entrepreneurship I

BUS065: MARKETING 1

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

Course Length: One semester

BUS075: MARKETING 2

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

Course Length: One semester

Prerequisite: BUS065 Marketing 1

BUS080: INTERNATIONAL BUSINESS

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

Course Length: One semester

BUS090: SPORTS AND ENTERTAINMENT MARKETING

Students who have wished to play sports professionally or who have dreamed of becoming an agent for a celebrity entertainer have an interest in sports and entertainment marketing. Although this form of marketing bears some resemblance to traditional marketing, there are many differences as well— including a lot of more glitz and glamour! In this course, students have the opportunity to explore basic marketing principles and delve deeper into the multibillion-dollar sports and entertainment

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

Course Length: One semester

MTH322: SUMMIT CONSUMER MATH

In Summit Consumer Math, students' study and review arithmetic skills they can apply in their personal lives and their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester of Consumer Math, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slide shows help illustrate some of the more difficult content.

Throughout the course, students participate in online discussions with each other and their teacher.

Course Length: Two semesters

BUS030 SUMMIT PERSONAL FINANCE

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

Course Length: One semester

BUS113: ACCOUNTING 1

This is the first semester of a two-semester course. The course teaches accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses. Accounting 1 prepares students for the NOCTI Accounting-Basic credential.

Course Length: One semester

BUS114: ACCOUNTING 2

This is the second semester of a two-semester course. The course continues to teach accounting while placing emphasis on conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses. Accounting 2 prepares students for the NOCTI Accounting-Advanced credential.

Course Length: One semester

Prerequisite: BUS113 Accounting 1

Levels 1 and 2 must be taken in sequential order.

BUS071: ADVERTISING AND SALES PROMOTION

In this Advertising and Sales Promotions course, you'll learn how marketing campaigns, ads, and commercials are conceived and brought to life. You'll meet some of the creative men and women who produce those memorable ads and commercials. And you'll discover career opportunities in the field to help you decide if a job in this exciting, fast-paced industry is in your future!

Course Length: One semester

TECHNOLOGY AND COMPUTER SCIENCE ELECTIVES

TCH075: 2D ANIMATION

Are you inherently creative? Do you have an eye for drawing, technology, and timing? If so, 2D Animation is the course for you! 2D animation creates movement in a two-dimensional artistic space. And in this course, you will learn the necessary skills to do just that. 2D Animation will give you the tools to conceptualize and bring your animation dreams to life! Using a variety of software and design programs, you'll have the power to transform your creative notions into reality! Design, define, and complete a variety of digital design projects including creating your own website! Learning about 2D Animation could lead to a thriving career in the growing world of technology and animation!

Course Length: One semester

Note: Software is a free download called "Unity"

System Requirements: Microsoft® Windows 7® or higher, 64-bit versions only; macOS 10.11 or higher.

TCH076: 3D MODELING

Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television, and motion pictures, or digital imaging? If so, this course in 3D Modeling is a great place to start! 3D Modeling is the foundation for all of these career paths. Gain a deeper understanding of graphic design and illustration as you use 3D animation software to create virtual three-dimensional design projects. Home in on your drawing, photography, and 3D construction. This course will help develop the skills needed to navigate within a 3D digital modeling workspace while rendering 3D models and is a good introduction career in the fast-growing field of technology and design!

Course Length: One semester

Note: Software is a free download called "Unity" System

System Requirements: Microsoft® Windows 7® or higher, 64-bit versions only; macOS 10.11 or higher.

TCH028: DIGITAL ARTS I

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

Course Length: One semester

TCH105 COMPUTER LITERACY

In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications.

Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security.

Course Length: One Semester

TCH029: DIGITAL ARTS II

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

Course Length: One semester

Prerequisite: TCH028: Digital Arts I (or equivalent)

TCH035: IMAGE DESIGN & EDITING

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

Course Length: One semester

TCH031: DIGITAL PHOTOGRAPHY I

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.

Course Length: One semester

TCH032: DIGITAL PHOTOGRAPHY II

Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field!

Course Length: One semester

Prerequisite: TCH031 Digital Photography I

OTH221: ENGINEERING FUNDAMENTALS 1

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

Course Length: One semester

TCH047: WEB DESIGN 1

TCH047 Web Design is a CodeHS course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi-page websites. Students will learn the foundations of user interface design, rapid prototyping, and user testing, and will work together to create professional, mobile responsive websites. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, example web pages to explore, and web design exercises in which students develop and publish their own web sites. Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the concepts covered in the unit.

Course Length: One semester

Software Requirements: Students write HTML and CSS code in the browser using the CodeHS online editor. Students can choose to write code using either block or text. An up-to-date version of Chrome is highly recommended. Free download: [https:// www.google.com/chrome/browser/](https://www.google.com/chrome/browser/)

TCH048: WEB DESIGN 2

TCH048 Web Design is a CodeHS course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi-page websites. Students will learn the foundations of user interface design, rapid prototyping, and user testing, and will work together to create professional, mobile responsive websites. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, example web pages to explore, and web design exercises in which students develop and publish their own web sites. Each lesson includes at least one formative choice unit quiz that assesses their knowledge of the concepts covered in the unit.

Course Length: One semester

Prerequisite: TCH047 Web Design 1

Software Requirements: Students write HTML and CSS code in the browser using the CodeHS online editor. Students can choose to write code using either block or text. An up-to-date version of Chrome is highly recommended. Free download: <https://www.google.com/chrome/browser/>

TCH331: C++ PROGRAMMING

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

Course Length: One semester

System Requirements: Windows® 7 SP1 (x86 and x64), Windows® 8 (x86 and x64), Windows® 8.1 (x86 and x64), Windows® Server 2008 R2SP1(x64), Windows® Server2012 (x64), Windows® Server 2012 R2 (x64)

Hardware requirements: 1.6 GHz or faster processor, 1 GB of RAM (1.5 GB if running on virtual machine), 5 GB of available hard disk space, 5400 RPM hard drive, DirectX 9-capable video card running at 1024x 768or higher display resolution

TCH071: GAME DESIGN 1

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

Course Length: One semester

Note: Software is a free download called "Unity" System

Requirements: Microsoft® Windows 7® or higher, 64-bit versions only; macOS 10.11 or higher.

TCH110: INTRODUCTION TO COMPUTER SCIENCE

This course is designed to introduce students to a contemporary overview of today's computer science. The course is non-language-specific and provides a solid foundation using an algorithm-driven approach. To keep the course in touch with current issues, the material on emerging topics are included, such as privacy, drones, cloud computing, and net neutrality.

Traditional computer science topics such as binary numbers, Boolean logic, system software, networking, information security, and language programming are also included.

Course Length: One semester

TCH112: MICROSOFT® WORD® 2016 WITH EXAM PREP

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

Course Length: One semester

TCH122: MICROSOFT® EXCEL® 2016 WITH EXAM PREP

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

Course Length: One semester

TCH132: MICROSOFT® POWERPOINT® 2016 WITH EXAM PREP

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

Course Length: One semester

TCH211: PROGRAMMING LOGIC AND DESIGN

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

Course Length: One semester

Prerequisites: TCH331 C++ Programming and TCH321 Java™ Programming I or prior knowledge of C++, Java™, and Python.

TCH323: INTRODUCTION TO JAVA PROGRAMMING 1

TCH323 Introduction to Java 1 is a CodeHS course that teaches students the basics of object-oriented programming with a focus on problem-solving and algorithm development. Students learn basic Java methods, data structures, classes, and object-oriented programming in this course. It is the first course in a two-course sequence and should be completed before TCH324 Introduction to Java 2.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free-response questions that have students consider the applications of programming and incorporate examples from their own lives.

At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the Java concepts covered in the unit. Included in each lesson is a formative short multiple-choice quiz.

Course Length: One semester

Prerequisites: TCH220-PBL Computer Science Principles or other introduction to computer science, Algebra 1

Knowledge of basic English and algebra including functions and function notation, such as $f(x) = x + 2$ and $f(x) = g(h(x))$

TCH324: INTRODUCTION TO JAVA PROGRAMMING 2

TCH324 Introduction to Java 2 is a CodeHS course that teaches students the basics of object-oriented programming with a focus on problem-solving and algorithm development. Students learn basic Java, methods, data structures, classes, and object-oriented programming in this course. It is the second course in a two-course sequence and should be completed after TCH323 Introduction to Java 1.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice have free-response questions that have students consider the applications of programming and incorporate examples from their own lives. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the Java concepts covered in the unit. Included in each lesson is a normative short multiple-choice quiz.

Levels 1 and 2 must be taken in sequential order.

Course Length: One semester

Prerequisites: TCH323 Introduction to Java 1

TCH421: ADOBE® ILLUSTRATOR® WITH EXAM PREP

This course offers students comprehensive coverage in all areas of Adobe® Illustrator®. Beginning with fundamental concepts and progressing to the in-depth exploration of the software's full set of features, the step-by-step lessons provide a guided tour of all the program's features. Topics covered include creating text and gradients, drawing and composing an illustration, transforming and distorting objects, working with layers, working with patterns and brushes, creating 3D objects, and preparing a document for print.

Course Length: One semester

TCH411: ADOBE® DREAMWEAVER® WITH EXAM PREP

This course provides step-by-step tutorials to help students master the industry-standard web development software. In addition to detailed instruction on the Dreamweaver interface, features, and functionality, the course includes hands-on projects and real-world case studies. Topics include developing a web page, working with text, and CSS, adding images, working with links and navigation, positioning objects, managing a web server and files, using style sheets, and collecting data with forms.

Course Length: One semester

System Requirements: Windows®: Intel® Pentium® 4 or AMD Athlon® 64 processors, Microsoft® Windows® 7, Windows® 8, Windows® 8.1, or Windows® 10, 2 GB of RAM, 1.1 GB of available hard-disk space for installation; additional free space required during installation (cannot install on removable flash storage devices), 1280x1024 display with 16-bit video card. An Internet connection and registration are necessary for required software activation, validation of subscriptions, and access to online services. MacOS®: Multicore Intel® processor, Mac® OS X® v10.9, 10.10, 10.11, 2 GB of RAM, 1.1 GB of available hard-disk space for installation; additional free space required during installation (cannot install on a volume that uses a case-sensitive file system or on removable flash storage devices), 1280x1024 display with 16-bit video card.

An Internet connection and registration are necessary for required software activation, validation of subscriptions, and access to online services.

TCH441: ADOBE® PHOTOSHOP® WITH EXAM PREP

Adobe® Photoshop has long provided cutting edge technology for sophisticated digital editing, and this course provides a solid foundation for those looking to learn this industry-standard program. Real-world, practical examples, and step-by-step instruction throughout offer well-rounded, comprehensive coverage of both artistic and technical features. Topics covered include, working with layers, making selections, incorporating color, using type, using tools, special effects and filters, and transformation.

Course Length: One semester

System Requirements: Windows: Intel® Core™2 or AMD Athlon™ 64 processors; 2 GHz or faster processor, Microsoft® Windows® 7 with Service Pack 1, Windows® 8.1, or Windows® 10, 2 GB of RAM (8 GB recommended), 2.6 GB of available hard-disk space for 32-bit installation; 3.1 GB of available hard-disk space for 64-bit installation; additional free space required during installation (cannot install on a volume that uses a case-sensitive file system), 1024 x 768 display (1280x800 recommended) with 16-bit color and 512 MB of dedicated VRAM; 2 GB is recommended*, OpenGL 2.0-capable system

An Internet connection and registration are necessary for required software activation, validation of subscriptions, and access to online services.** MacOS®: Multicore Intel® processor, Mac® OS X® v10.9 (64-bit), v10.10 (64-bit), or v10.11 (64-bit), 2 GB of RAM (8GB recommended), 4 GB of available hard-disk space for installation; additional free space required during installation (cannot install on a volume that uses a case-sensitive file system), 1024 x 768 display (1280x800 recommended) with 16-bit color and 512 MB of dedicated VRAM; 2 GB is recommended*, OpenGL 2.0-capable system

An Internet connection and registration are necessary for required software activation, membership validation, and access to online services.*** 3D features are disabled on 32-bit platforms and computers having less than 512 MB of VRAM. Video features are not supported on 32-bit

**NOTICE TO USERS. Internet connection, Adobe® ID, and acceptance of license agreement required to activate and use this product. This product may integrate with or allow access to certain Adobe® or third-party hosted online services. Adobe® services are available only to users 13 and older and require agreement to additional terms of use and Adobe's online privacy policy (see <http://www.adobe.com/aboutadobe/legal.html>). Applications and Services may not be available in all countries or languages and may be subject to change or discontinuation without notice. Additional fees or membership charges may apply. Design Space (Preview) may have system requirements in addition to the ones listed above.

TCH342: PYTHON PROGRAMMING 1

TCH342 Python Programming 1 is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the first course in a two- course sequence and should be completed before TCH343 Introduction to Python Programming 2. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free response questions that have students consider the applications of programming and incorporate examples from their own lives.

Course Length: One semester

TCH343: PYTHON PROGRAMMING 2

TCH343 Python Programming 2 is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the second course in a two- course sequence and should be completed after TCH342 Introduction to Python Programming 1. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free- response questions that have students consider the applications of programming and incorporate examples from their own lives.

Course Length: One semester

Prerequisite: TCH342 Python Programming 1

TCH351: HTML5 AND CSS3 PROGRAMMING

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

Course Length: One semester

CAREER TECHNICAL EDUCATION ELECTIVES

OTH038: CAREERS IN CRIMINAL JUSTICE

Do you want to help prevent crime and maintain order in society? The criminal justice system maybe a good career option. The criminal justice system offers a wide range of career opportunities, from law enforcement forensic scientists to lawyers and judges. In this course, students will explore different areas of soft the criminal justice system, including the trial process, the juvenile justice system, and the correctional system. Careers in each area will be explored and students will learn more about the expectations and training required for various career options in the criminal justice field.

Course Length: One semester

OTH091: LAW AND ORDER

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

Course Length: One semester

ENG010: SUMMIT JOURNALISM

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

Course Length: One semester

HST010: SUMMIT ANTHROPOLOGY

This course presents a behavioral science that focuses on the study of humanity and culture. The course covers the foundations of the five main branches of anthropology including physical, social, linguistic, archeological, and cultural. You are provided the opportunity to apply your observational skills to the real-life study of cultures in the United States and around the world.

Course Length: One semester

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

HST020: SUMMIT PSYCHOLOGY

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

Course Length: One semester

OTH031: ARCHAEOLOGY

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

Course Length: One semester

SCI020: ASTRONOMY 1

Follow your enthusiasm for space by introducing yourself to the study of astronomy. This course will include topics such as astronomy’s history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe.

Course Length: One semester

SCI021: ASTRONOMY 2

Building upon the prior prerequisite course, dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

Course Length: One semester

Prerequisite: SCI020: Astronomy 1

OTH033: VETERINARY SCIENCE

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 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.

Course Length: One semester

OTH034: INTRODUCTION TO AGRISCIENCE

Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve and better understand agriculture and how it can be used to continue to sustain human life.

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

Course Length: One semester

OTH171: CULINARY ARTS 1

Thinking of a career in the foodservice industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are critical to a career in the culinary arts.

Course Length: One semester

OTH172: CULINARY ARTS 2

Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion!

Course Length: One semester

Prerequisite: OTH171: Culinary Arts 1

HEALTH SCIENCES ELECTIVES

OTH092: HEALTH SCIENCES I

Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within

the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases.

The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

Course Length: One semester

OTH094: HEALTH SCIENCES II

In this course, students will learn more about what it takes to be a successful health science professional, including how to communicate with patients. Students will explore the rights and responsibilities of both patients and health sciences professionals in patient care and learn more about

how to promote wellness among patients and healthcare staff. Finally, students will learn more about safety in health sciences settings and the challenges and procedures of emergency care, infection control, and blood borne pathogens.

Course Length: One semester

HLT231: ESSENTIALS OF HEALTH INFORMATION MANAGEMENT

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

Course Length: One semester

HLT241: MEDICAL CODING 1

This is the first semester of a two-semester course. The course addresses the latest updates on ICD-10-CM, ICD-10-PCS, CPT®, and HCPCS Level II coding sets, conventions, and guidelines. Students begin with diagnosis coding, then move to more in-depth instruction on coding procedures and services.

Extensive exercises, review, coding case studies, and study checklists prepare students for earning coding credentials.

Course Length: One semester

HLT242: MEDICAL CODING 2

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

Course Length: One semester

Prerequisite: HLT241: Medical Coding 1

HTL531: MEDICAL ASSISTANT WITH EXAM PREP 1

This is the first semester of a three-semester course. The course intends to develop the critical knowledge, skills, and behaviors that entry-level medical assistants need to succeed. Feature topics healthcare roles and responsibilities, medical law and ethics, professional communications, anatomy, and physiology of the human body, business communications, patient record keeping, medical insurance and coding, billing and payment, banking and accounting procedures, preparing for clinical procedures, assisting with examinations, and laboratory procedures. The course includes the latest information on nutrition, the Affordable Care Act (ACA), and ICD-10, and content are aligned and mapped to current ABHES standards and newly approved 2015 CAAHEP standards.

Course Length: One semester

HTL532: MEDICAL ASSISTANT WITH EXAM PREP 2

This is the second semester of a three-semester course. The course continues to develop the critical knowledge, skills, and behaviors that entry-level medical assistants need to succeed. featured topics.

Healthcare roles and responsibilities, medical law and ethics, professional communications, anatomy, and physiology of the human body, business communications, patient recordkeeping, medical insurance and coding, billing and payment, banking and accounting procedures, preparing for clinical procedures, assisting with examinations, and laboratory procedures. The course includes the latest information on nutrition, the Affordable Care Act (ACA), and ICD-10, and content are aligned and mapped to current ABHES standards and newly approved 2015 CAAHEP standards.

Course Length: One semester

HTL533: MEDICAL ASSISTANT WITH EXAM PREP 3

This is the third semester of a three-semester course. The course continues to develop the critical knowledge, skills, and behaviors that entry-level medical assistants need to succeed. Feature topics healthcare roles and responsibilities, medical law and ethics, professional communications, anatomy, and physiology of the human body, business communications, patient record keeping, medical insurance and coding, billing and payment, banking, and accounting procedures, preparing for clinical procedures, assisting with examinations, and laboratory procedures. The course includes the latest information on nutrition, the Affordable Care Act (ACA), and ICD-10, and content are aligned and mapped to current ABHES standards and newly approved 2015 CAAHEP standards.

Course Length: One semester

HLT213: MEDICAL TERMINOLOGY 1

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

Course Length: One semester

HLT214: MEDICAL TERMINOLOGY 2

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

Course Length: One semester

Prerequisite: Medical Terminology 1

SCI330: ANATOMY AND PHYSIOLOGY

Students will then learn about cell structure and their processes. They will discover the functions and purposes of the skeletal, muscular, nervous, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and endocrine systems, as well as diseases that

affect those systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as the technology used in the industry. Focusing on terminology, this course is essential to students pursuing the health sciences or wanting to gain a greater sense of how the human body works.

OTH161 EARLY CHILDHOOD EDUCATION 1

Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

Course Length: One semester

OTH162 EARLY CHILDHOOD EDUCATION 2

Building on the previous prerequisite course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare!

Course Length: One semester

Prerequisite: OTH161: Early Childhood Education 1

ART ELECTIVES

(These courses fulfill the Elective Credit Requirement)

ART500: AP® ART HISTORY AP®

Art History is two semesters long with 180 days of instruction. Each lesson designed as a 45-minute block of learning time. Every unit is planned to represent at least one of the 10 content areas required by the College Board. A pacing guide is provided to instructors to explain which works of art should be included in each unit, with some flexibility allowed. Students explore a wide range of art, from the earliest works made by prehistoric ancestors in caves to the soaring cathedrals of the Gothic era and beyond. As they study painting, sculpture, architecture, and other artwork across cultures, students acquire tools for careful observation and analysis of visual expression. This course provides opportunities for students to practice new visual

vocabulary and concepts through engaging discussions, relevant research, and reports about museum experiences. Course learning objectives and enduring understanding statements that support the three big ideas for AP Art History are integrated into each unit.

Instructional activities build student skills to ensure that they master the essential knowledge statements. Students will build on these foundations as they explore works of art, scholarly resources, primary and secondary source documents, videos, museums, and virtual museum visits.

Course Length: Two semesters

Prerequisite: There is no specific Prerequisite for this AP® Art History course. Interested students who have demonstrated sin humanities courses, such as history and literature, or in-studio art participate

ART010: SUMMIT FINE ART

This course combines art history, appreciation, and analysis while engaging students in hands-on creative projects.

Lessons introduce major periods and movements in art history while focusing on masterworks and the intellectual, technical, and creative processes behind those works. Studio lessons provide opportunities for drawing, painting, sculpting, and other creative endeavors.

Course Length: Two semesters

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

ART020: SUMMIT MUSIC APPRECIATION

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

Course Length: Two semesters

ENG030: SUMMIT CREATIVE WRITING

In this course, students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. The study example so classic and contemporary selections apply what they learn to their own writing and develop proficiency in the writing process. They learn to evaluate the writings of others and apply evaluation criteria to their own work. By the end of the course, students will have created a well-developed portfolio of finished written works.

Course Length: Two semesters

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

OTH036: GOTHIC LITERATURE

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

Course Length: One semester

Prerequisite: None

OTH095: MYTHOLOGY AND FOLKLORE

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

Course Length: One semester

STUDENT DEVELOPMENT ELECTIVES

OTH040: REACHING YOUR ACADEMIC POTENTIAL

Students learn essential academics skills within the context of their learning style, individual learning environment, and long-term goals. This course helps students develop habits for more

successful reading, writing, studying, communication, collaboration, time management, and concentration. It also provides insights into how the brain works when they are learning and ways to maximize their potential.

Course Length: One semester

OTH050: ACHIEVING YOUR CAREER AND COLLEGE GOALS

Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences and explore a wide range of potential careers. They investigate the training and education required for the career of their choice and create a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter and interviewing for a job. This course is geared toward 11th and 12th graders.

Course Length: One semester

PRJ010: SERVICE LEARNING

This project may be used in a variety of ways—as a stand-alone project, in conjunction with another course, or as a foundation around which to base a one-semester course. An introductory unit presents instruction on the nature of service-learning.

Students are taught how to identify community needs, select projects that are meaningful to them, apply practical skills, reflect on their learning experience, and behave responsibly in a service setting. Students then move on to design and conduct service-learning experiences of their own, according to the requests of their projects. Documents to support teachers in guiding students through the project are included.

ENG020: SUMMIT PUBLIC SPEAKING

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

Course Length: One semester

OTH080: SUMMIT NUTRITION AND WELLNESS (ELECTIVE)

This half-credit course will introduce the student to an overview of good nutrition principles that are needed for human physical and mental wellness. Discussion of digestion, basic nutrients, weight management, sports and 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

REMEDIATION ELECTIVES

ENG001: ENGLISH FOUNDATIONS I

Students build and reinforce foundationally reading, writing, and basic academic skills typically found in third through fifth grade for which they have not achieved mastery. Through carefully paced, guided instruction and graduated reading levels, students improve reading comprehension and strategies, focusing on literacy development at the critical stage between decoding and making meaning from text.

Instruction and practice in writing skills help students develop their composition skills in a variety of formats. If needed, students can continue their remediation of reading and writing skills with English Foundations II.

Course Length: Two semesters

Prerequisite: Teacher/school counselor recommendation

ENG011: ENGLISH FOUNDATIONS II

Students build and reinforce foundational reading, writing, and basic academic skills typically found in third through fifth grade for which they have not achieved mastery. Struggling readers develop mastery in reading comprehension, vocabulary building, study skills, and media literacy.

Students build confidence in writing fundamentals by focusing on composition in a variety of formats, grammar, style, and media literacy.

Course Length: Two semesters

Prerequisite: Teacher/school counselor recommendation;
ENG001: English Foundations I is not required

MTH001: MATH FOUNDATIONS I

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

Course Length: Two semesters

Prerequisite: Teacher/school counselor recommendation

MTH011: MATH FOUNDATIONS II

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

Course Length: Two semesters

Prerequisite: Teacher/school counselor recommendation;
MTH001: Math Foundations I is not required

MTH113E2: PRE-ALGEBRA

In this course, students take a broader look at computational and problem-solving skills while learning the language of algebra.

Students extend their understanding of ratio to develop an understanding of proportions and solve problems including scale drawings, percent increase, and decrease, simple interest, and tax. Students extend their understanding of numbers and properties of operations to include rational numbers. Signed rational numbers are contextualized and students use rational numbers in constructing expressions and solving equations. Students derive formulas and solve two-dimensional area problems including the area of composite figures. In three dimensions, students find the surface area using formulas and nets. Students also compute the volume of three-dimensional objects including cubes and prisms. Students make use of sampling techniques to draw inferences about a population including comparative inferences about two populations. Students also investigate chance processes through experimental and theoretical probability models.

Course Length: Two semesters

Note: Students who have already succeeded in Middle School Pre-Algebra or Intermediate Mathematics C should not enroll in this course.

UPPER SCHOOL CAREER READINESS PATHWAY ELECTIVES

BUSINESS: GENERAL MANAGEMENT

CAR017-PBL: BUSINESS AND MARKETING EXPLORATIONS

This course is a Project-Based Learning course (PBL). This course is designed as an exploration of the business career pathways. Students will get an introduction to business careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of business and marketing, as well as career options in each area. Students study the concepts of marketing, financial management, and human resource management, in addition to other common business-related functions. Students complete projects to develop a deeper understanding of the roles these business functions play.

Course Length: One semester

BUS113: ACCOUNTING 1

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

Course Length: One semester

BUS114: ACCOUNTING 2

This is the second semester of a two-semester course. The course continues to teach accounting while emphasizing conceptual understanding and financial statement analysis to encourage students to apply accounting concepts to real-world situations and make informed business decisions. Topics include transactions and methods of accounting for both service and merchandising businesses. Accounting 2 prepares students for the NOCTI Accounting-Advanced credential.

Course Length: One semester

Prerequisite: Accounting 1

TCH105-PBL: COMPUTER LITERACY

This course is a Project-Based Learning course (PBL). In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students

gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security.

Course Length: One semester

TCH110-PBL: MICROSOFT® OFFICE 1

This course is a Project-Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft® Word® and PowerPoint®. After completing this course, the student will be prepared to take the Microsoft® Office Specialist exam in Word® and PowerPoint®. Students work through hands-on projects to hone skills in formatting text, page layout, images, charts, and a vast variety of commonly used word processing and presentation tools.

Course Length: One semester

TCH115-PBL: MICROSOFT® OFFICE 2

This course is a Project-Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Outlook®, Excel®, and Access®. After completing this course, the student will be prepared to take the Microsoft® Office Specialist examine Excel®. Students work through hands-on projects to hone skills in data entry and management, formula creation, email management, and a vast variety of commonly used email, spreadsheet, and database tools.

Course Length: One semester

BUSINESS: MARKETING COMMUNICATIONS

CAR017-PBL: BUSINESS AND MARKETING EXPLORATIONS

This course is a Project-Based Learning course (PBL). This course is designed as an exploration of the business career pathways. Students will get an introduction to business careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of business and marketing, as well as career options in each area. Students study the concepts of marketing, financial management, and human resource management, in addition to other common business-related functions. Students complete projects to develop a deeper understanding of the roles these business functions play.

Course Length: One semester

BUS065-PBL: MARKETING 1

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

Course Length: One semester

BUS075-PBL: MARKETING 2

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

Course Length: One semester

Prerequisite: BUS065 Marketing 1

TCH105-PBL: COMPUTER LITERACY

This course is a Project-Based Learning course (PBL). In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security.

Course Length: One semester

TCH114-PBL: MICROSOFT® OFFICE 1

This course is a Project-Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Word and PowerPoint. After completing this course, the student will be prepared to take the Microsoft® Office Specialist exam in Word and Power Point. Students work through hands-on projects to hone skills in formatting text, page layout, images, charts, and a vast variety of commonly used word processing and presentation tools.

Course Length: One semester

TCH115-PBL: MICROSOFT® OFFICE 2

This course is a Project-Based Learning course (PBL). This course is for students who wish to learn core skills in Microsoft Outlook, Excel, and Access. After completing this course, the student will be prepared to take the Microsoft Office Specialist exam in Excel. Students work through hands-on projects to hone skills in data entry and management, formula creation, email management, and a vast variety of commonly used email, spreadsheet, and database tools.

Course Length: One semester

INFORMATION TECHNOLOGY PROGRAMMING

CAR095-PBL: IT EXPLORATIONS

This course is a Project-Based Learning course (PBL). This course is designed as an exploration of the information technology career pathways. Students will get an introduction to information technology careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web, and digital communications, and programming and software development.

Course Length: One semester

TCH105-PBL: COMPUTER LITERACY

This course is a Project-Based Learning course (PBL). In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security.

Course Length: One semester

TCH220: COMPUTER SCIENCE PRINCIPLES

TCH220-PBL Computer Science Principles is a CodeHS course that introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. The course utilizes a project-based learning approach. With a unique focus on creative problem solving and real-world applications, the CodeHS Computer Science Principles course allows students to explore several important topics of computing using their own ideas and creativity, use the power of computing to create artifacts of personal value, and develop an interest in computer science that will foster further endeavors in the field.

Course Length: One semester

TCH342: PYTHON PROGRAMMING 1

TCH342 Python Programming 1 is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the first course in a two-course sequence and should be completed before TCH343 Introduction to Python Programming 2. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free-response questions that have students consider the applications of programming and incorporate examples from their own lives.

Course Length: One semester

TCH343: PYTHON PROGRAMMING 2

TCH343 Python Programming 2 is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the second course in a two- course sequence and should be completed after TCH342 Introduction to Python Programming 1. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free- response questions that have students consider the applications of programming and incorporate examples from their own lives.

Course Length: One semester

Prerequisite: TCH342 Python Programming 1

TCH211: PROGRAMMING LOGIC AND DESIGN

This course introduces the student to the fundamental principles of developing structured program logic. The course uses a language- independent approach to programming, program structure, to teach topics such as elements of high-quality programs, object-oriented concepts, UML diagrams, looping, arrays, file handling, and databases.

Course Length: One semester

TCH323: INTRODUCTION TO JAVA PROGRAMMING 1

TCH323 Introduction to Java 1 is a CodeHS course that teaches students the basics of object-oriented programming with a focus on problem- solving and algorithm development. Students learn basic Java, methods, data structures, classes, and object-oriented

programming in this course. It is the first course in a two-course sequence and should be completed before TCH324 Introduction to Java 2.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free-response questions that have students consider the applications of programming and incorporate examples from their own lives.

At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the Java concepts covered in the unit. Included in each lesson is a formative short multiple-choice quiz.

Course Length: One semester

Prerequisites: TCH220-PBL Computer Science Principles or other introduction to computer science, Algebra 1 Knowledge of basic English and algebra including functions and function notation, such as $f(x) = x + 2$ and $f(x) = g(h(x))$

TCH324: INTRODUCTION TO JAVA PROGRAMMING 2

TCH324 Introduction to Java 2 is a CodeHS course that teaches students the basics of object-oriented programming with a focus on problem-solving and algorithm development. Students learn basic Java, methods, data structures, classes, and object-oriented programming in this course. It is the second course in a two-course sequence and should be completed after TCH323 Introduction to Java 1.

Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free-response questions that have students consider the applications of programming and incorporate examples from their own lives.

At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the Java concepts covered in the unit. Included in each lesson is a formative short multiple-choice quiz.

Course Length: One semester

Prerequisites: TCH323 Introduction to Java 1

TCH351: HTML5 AND CSS3 PROGRAMMING

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

Course Length: One semester

TCH331: C++ PROGRAMMING

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

Course Length: One semester

GAME DESIGN & PROGRAMMING

CAR095-PBL: IT EXPLORATIONS

This course is a Project-Based Learning course (PBL). This course is designed as an exploration of the information technology career pathways. Students will get an introduction to information technology careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web, and digital communications, and programming and software development.

Course Length: One semester

TCH105-PBL: COMPUTER LITERACY

This course is a Project-Based Learning course (PBL). In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understanding social and ethical issues around the Internet, information, and security.

Course Length: One semester

TCH073-PBL: VIDEO GAME DESIGN 1

TCH073-PBL Video Game Design 1 is a CodeHS course that teaches the foundations of creating video games in Java Script. The course utilizes a project-based learning approach. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total.

Each unit ends with a comprehensive unit test that assesses the student's mastery of the material from that unit.

Course Length: One semester

Prerequisite: This course is designed for beginners with no previous background in computer science but does teach advanced topics.

TCH074-PBL: VIDEO GAME DESIGN 2

TCH073-PBL Video Game Design 2 is a CodeHS course that teaches the foundations of creating video games in Java Script. The course utilizes a project-based learning approach. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Each unit ends with a comprehensive unit test that assesses the student's mastery of the material from that unit.

Course Length: One semester

Prerequisite: TCH073-PBL Video Game Design 1

GAME MAKER PROGRAMMING (Available Spring 2021)

UNITY PROGRAMMING (Available Spring 2021)

INFORMATION TECHNOLOGY: WEB & DIGITAL COMMUNICATIONS

CAR095-PBL: IT EXPLORATIONS

This course is a Project-Based Learning course (PBL). This course is designed as an exploration of the information technology career pathways. Students will get an introduction to information technology careers so that they can better assess which pathway to pursue. In this course, students explore basic concepts in the broad areas of information technology, as well as career options in each area. Students study the concepts of networking information support, web and digital communications, and programming and software development.

Course Length: One semester

TCH028-PBL: DIGITAL ARTS 1

This course is a Project-Based Learning course (PBL). 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 learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

Course Length: One semester

TCH029-PBL: DIGITAL ARTS 2

This course is a Project-Based Learning course (PBL). Students build on the skills and concepts they learned in Digital Arts as they develop their vocabulary of digital design elements. By the end of the course, they will have created a collection of digital art projects for their digital design portfolio.

Course Length: One semester

Prerequisite: TCH028 Digital Arts 1 (or equivalent)

TCH421: ADOBE® ILLUSTRATOR® WITH EXAM PREP

This course offers students comprehensive coverage in all areas of Adobe® Illustrator®. Beginning with fundamental concepts and progressing to the in-depth exploration of the software's full set of features, the step-by-step lessons provide a guided tour of all the program's features. Topics covered include creating text and gradients, drawing and composing an illustration, transforming and distorting objects, working with layers, working with patterns and brushes, creating 3D objects, and preparing a document for print.

Course Length: One semester

TCH411: ADOBE® DREAMWEAVER® WITH EXAM PREP

This course provides step-by-step tutorials to help students master the industry-standard web development software. In addition to detailed instruction on the Dreamweaver® interface, features, and functionality, the course includes hands-on projects and real-world case studies. Topics include developing a web page, working with text, and CSS, adding images, working with links and navigation, positioning objects, managing a web server and files, using style sheets, and collecting data with forms.

Course Length: One semester

HUMAN & HEALTH SERVICES: MEDICAL BILLING AND CODING

CAR010: BUSINESS AND HEALTHCARE EXPLORATIONS

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

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

Course Length: One semester

OTH094: HEALTH SCIENCES II

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

Course Length: One semester

HLT213: MEDICAL TERMINOLOGY 1

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

Course Length: One semester

HLT214: MEDICAL TERMINOLOGY 2

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

Course Length: One semester

Prerequisite: HLT213 Medical Terminology 2

SCI330: ANATOMY AND PHYSIOLOGY

Students will learn about cell structure and their processes. They discover the functions and purposes of the skeletal, muscular, nervous, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and endocrine systems, as well as diseases that affect those systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as the technology used in the industry. Focusing on terminology, this course is essential to students pursuing the health sciences or wanting to gain a greater sense of how the human body works.

Course Length: One semester

HLT231: ESSENTIALS OF HEALTH INFORMATION MANAGEMENT

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

HLT241: MEDICAL CODING 1

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

HLT242: MEDICAL CODING 2

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

Course Length: One semester

Prerequisite: HLT241 Medical Terminology 2

HUMAN & HEALTH SERVICES: MEDICAL ASSISTING

CAR010: BUSINESS AND HEALTHCARE EXPLORATIONS

In this course, students explore basic concepts in the broad areas of business and healthcare, as well as career options in each area. Business: How do business ideas become businesses? How are products marketed? How do you know if a business is making or losing money? These are among the questions that students explore in the business portion of this course. In addition to studying concepts of entrepreneurship, accounting, and marketing, students explore these concepts on scales that range from a single person to a nation. Healthcare: Will we ever find a cure for cancer? What treatments are best for conditions like diabetes and asthma? How are illnesses like meningitis, tuberculosis, and measles identified and diagnosed? Health sciences provide the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases.

Course Length: One semester

OTH094: HEALTH SCIENCES II

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

Course Length: One semester

HLT213: MEDICAL TERMINOLOGY 1

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

Course Length: One semester

HLT214: MEDICAL TERMINOLOGY 2

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

Course Length: One semester

Prerequisite: HLT213 Medical Terminology 2

SCI330: ANATOMY AND PHYSIOLOGY 1

Students will learn about cell structure and their processes. They discover the functions and purposes of the skeletal, muscular, nervous, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and endocrine systems, as well as diseases that affect those systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as the technology used in the industry. Focusing on terminology, this course is essential to students pursuing the health sciences or wanting to gain a greater sense of how the human body works.

Course Length: One semester

HTL531: MEDICAL ASSISTANT WITH EXAM PREP 1

This is the first semester of a three-semester course. The course intends to develop the critical knowledge, skills, and behaviors that entry-level medical assistants need to succeed. Feature topics healthcare roles and responsibilities, medical law and ethics, professional communications, anatomy, and physiology of the human body, business communications, patient record keeping, medical insurance and coding, billing and payment, banking and accounting procedures, preparing for clinical procedures, assisting with examinations, and laboratory procedures. The course includes the latest information on nutrition, the Affordable Care Act (ACA), and ICD-10, and content are aligned and mapped to current ABHES standards and newly approved 2015 CAAHEP standards.

HLT532 MEDICAL ASSISTANT WITH EXAM PREP 2

This is the second semester of a three-semester course. The course continues to develop the critical knowledge, skills, and behaviors that entry-level medical assistants need to succeed. Feature topics healthcare roles and responsibilities, medical law and ethics, professional communications, anatomy and physiology of the human body, business communications, patient record keeping, medical insurance and coding, billing and payment, banking and accounting procedures, preparing for clinical procedures, assisting with examinations, and laboratory procedures. The course includes the latest information on nutrition, the Affordable Care Act (ACA), and ICD-10, and content is aligned and mapped to current ABHES standards and newly approved 2015 CAAHEP standards.

Course Length: One Semester

Prerequisite: HLT531 Medical Assistant with Exam Prep 1

HTL533 MEDICAL ASSITANT WITH EXAM PREP 3

This is the third semester of a three-semester course. The course continues to develop the critical knowledge, skills, and behaviors that entry-level medical assistants need to succeed. Feature topics healthcare roles and responsibilities, medical law and ethics, professional communications, anatomy and physiology of the human body, business communications, patient record keeping, medical insurance and coding, billing and payment, banking and accounting procedures, preparing for clinical procedures, assisting with examinations, and laboratory procedures. The course includes the latest information on nutrition, the Affordable Care Act (ACA), and ICD-10, and content is aligned and mapped to current ABHES standards and newly approved 2015 CAAHEP standards.

Course Length: One Semester

Prerequisite: HLT531 Medical Assistant with Exam Prep 2



	COMPREHENSIVE	HONORS	AP®
ENGLISH 4 Credits			
Summit English 9	●	●	
Summit English 10	●	●	
Summit American Literature	●	●	
Summit British and World Literature	●	●	
AP® English Language and Composition			●
AP® English Literature and Composition			●
MATH 4 Credits			
Summit Algebra I	●	●	
Summit Geometry	●	●	
Summit Algebra II	●	●	
Summit Practical Math			
Summit Pre-Calculus/Trigonometry*+	●		
Summit Probability and Statistics*+	●		
Summit Calculus	●		
AP® Calculus AB			●
AP® Statistics			●
SCIENCE 4 Credits (must include Biology)			
Summit Physical Science	●		
Summit Earth Science	●	●	
Summit Biology	●	●	
Summit Chemistry	●	●	
Summit Physics	●	●	
AP® Biology			●
AP® Chemistry			●
AP® Environmental Science			●
Summit Environmental Science*+	●		
Forensic Science*+	●		
HISTORY and SOCIAL SCIENCES 4 Credits			
Summit World History	●	●	
Summit Modern World Studies	●	●	
Summit U.S. History	●	●	
Summit Geography and World Cultures	●		
Summit U.S. Government and Politics*+	●		
Summit U.S. and Global Economics*+	●		
AP® U.S. History			●
AP® U.S. Government and Politics*+			●
AP® Macroeconomics*+			●
AP® Microeconomics*+			●
AP® Psychology*+			●
AP World History			●
HEALTH and P.E. 1 Credit (0.5 credit each)			
Summit Skills for Health*	●		
Summit Physical Education*	●		

	COMPREHENSIVE	HONORS	AP®
WORLD LANGUAGES 2 Credits (of same language)			
Spanish I	●		
Spanish II	●		
Spanish III	●		
AP® Spanish Language and Culture			●
French I	●		
French II	●		
French III	●		
AP® French Language			●
German I	●		
German II	●		
Latin I	●		
Latin II	●		
Chinese I	●		
Chinese II	●		
(course list continued on next page)			

PC = for PC only (not Mac)


= number of credits from each subject area needed to graduate

* = one-semester course (.5 credits)


- All courses, unless otherwise noted, are two semesters and one credit.
- Course materials will be available in various physical and/or digital formats.
- Please note that course availability varies based on time of year.



COURSE LIST UPPER SCHOOL

	FALL	SPRING
BUSINESS MANAGEMENT ELECTIVES		
Entrepreneurship I*	●	●
Entrepreneurship II*	●	●
Marketing I*	●	●
Marketing II*	●	●
International Business*	●	●
Sports and Entertainment Marketing*	●	●
Advertising and Sales Promotion*	●	●
Summit Consumer Math	●	●
Summit Personal Finance*	●	●
Accounting I *	●	●
Accounting II*	●	●
TECHNOLOGY and COMPUTER SCIENCE ELECTIVES		
Adobe Illustrator with Exam Prep*	●	●
Adobe DreamWeaver with Exam Prep*	●	●
Python Programming*	●	●
HTML5 and CSS3 Programming*	●	●
Adobe Photoshop with Exam Prep	●	●
2D Animation*	●	●
3D Modeling*	●	●
Digital Arts I*	●	●
Digital Arts II*	●	●
Digital Photography I*	●	●
Digital Photography II*	●	●
Image Design and Editing*	●	●
Introduction to Computer Science*	●	●
Engineering Fundamentals 1*	●	●
Introduction Java™ Programming I*	●	●
Introduction Java™ Programming II*	●	●
Programming Logic and Design*	●	●
Web Design I*	●	●
Web Design II*	●	●
C++ Programming*	●	●
Game Design 1* 	●	●
Computer Literacy	●	●
Microsoft® Word® 2016 with Exam Prep	●	●
Microsoft® Excel® 2016 with Exam Prep	●	●
Microsoft® PowerPoint® 2016 with Exam Prep	●	●
CAREER TECHNICAL EDUCATION ELECTIVES		
Careers in Criminal Justice*	●	●
Law and Order*	●	●
Journalism*	●	●
Anthropology*	●	●
Psychology*	●	●
Archeology*	●	●
Astronomy 1*	●	●
Astronomy 2*	●	●
Veterinary Science*	●	●
Introduction to Agriscience*	●	●
Culinary Arts 1*	●	●
Culinary Arts 2*	●	●

	FALL	SPRING
HEALTH SCIENCES ELECTIVES		
Health Science I*	●	●
Health Science II*	●	●
Medical Terminology 1*	●	●
Medical Terminology 2*	●	●
Anatomy & Physiology*	●	●
Essentials of Health Information Management	●	●
Early Childhood Education 1*	●	●
Early Childhood Education 2*	●	●
Medical Coding I*	●	●
Medical Coding II*	●	●
Medical Assisting with Exam Prep 1*	●	●
Medical Assisting with Exam Prep 1*	●	●
Medical Assisting with Exam Prep 1*	●	●
ART ELECTIVES		
Summit Fine Art	●	●
Summit Music Appreciation	●	●
Summit Creative Writing	●	●
AP® Art History	●	●
Gothic Literature*	●	●
Mythology and Folklore*	●	●
STUDENT DEVELOPMENT ELECTIVES		
Reaching Your Academic Potential*	●	●
Achieving Your Career and College Goals*	●	●
Service Learning*	●	●
Summit Public Speaking*	●	●
Summit Nutrition and Wellness*	●	●
REMEDIATION ELECTIVES		
English Foundations I	●	●
English Foundations II	●	●
Pre-Algebra	●	●
Math Foundations I	●	●
Math Foundations II	●	●

 = for PC only (not Mac)
 * = one-semester course (.5 credits)

- All courses, unless otherwise noted, are two semesters and one credit.
- Course materials will be available in various physical and/or digital formats.
- Please note that course availability varies based on time of year.

Some courses may require families to purchase materials beyond those supplied by K12 International Academy to successfully complete the course. For more information, contact your school.



Upper School Career Readiness Pathway Electives

	FALL	SPRING
BUSINESS: GENERAL MANAGEMENT		
Business & Marketing Explorations*	●	●
Accounting 1	●	●
Accounting 2	●	●
Computer Literacy*	●	●
Microsoft Office 1*	●	●
Microsoft Office 2*	●	●
BUSINESS: MARKETING COMMUNICATIONS		
Business & Marketing Explorations*	●	●
Marketing 1*	●	●
Marketing 2*	●	●
Computer Literacy*	●	●
Microsoft Office 1*	●	●
Microsoft Office 2*	●	●
INFORMATION TECHNOLOGY: PROGRAMMING		
IT Explorations*	●	●
Computer Literacy*	●	●
Computer Science Principles*	●	●
Python Programming 1 & 2	●	●
Programming Logic & Design	●	●
Choose One Concentration Area		
Introduction to Java Programming 1 & 2	●	●
HTML5 and CSS3 Programming	●	●
C++ Programming	●	●
GAME DESIGN AND PROGRAMMING		
IT Explorations*	●	●
Computer Literacy*	●	●
Video Game Design I*	●	●
Video Game Design II*	●	●
Game Maker Programming (Available Spring 2021)	●	●
Unity Programming (Available Spring 2021)	●	●

	FALL	SPRING
INFORMATION TECHNOLOGY: WEB & DIGITAL COMMUNICATIONS		
IT Explorations*	●	●
Digital Arts 1*	●	●
Digital Arts 2*	●	●
Adobe Illustrator with Exam Prep	●	●
Adobe Dreamweaver with Exam Prep	●	●
HUMAN & HEALTH SERVICES: MEDICAL BILLING and CODING		
Business and Healthcare Explorations**	●	●
Health Sciences II	●	●
Medical Terminology 1	●	●
Medical Terminology 2	●	●
Anatomy and Physiology	●	●
Essentials of Health Information Management	●	●
Medical Coding I	●	●
Medical Coding II	●	●
HUMAN & HEALTH SERVICES: MEDICAL ASSISTING		
Business and Healthcare Explorations**	●	●
Health Sciences II	●	●
Medical Terminology 1	●	●
Medical Terminology 2	●	●
Anatomy and Physiology	●	●
Medical Assistant with Exam Prep 1	●	●
Medical Assistant with Exam Prep 2	●	●
Medical Assistant with Exam Prep 3	●	●

PC = for PC only (not Mac)

* = one-semester course (.5 credits)

** = Indicates a Project Based Learning (PBL) course. PBL courses are available for Full Time students only. It is highly encouraged that students begin a pathway with the Explorations course.

- All courses, unless otherwise noted, are two semesters and one credit.
- Course materials will be available in various physical and/or digital formats.
- Please note that course availability varies based on time of year.



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K12 is not able to accept enrollments from students located in the following countries: United Arab Emirates, Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, Lebanon, Burma (Myanmar), Cuba, Iran, Sudan, Syria, Western Balkans, Belarus, North Korea, Democratic Republic of Congo, Iraq, and member countries of the EU.

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