PRIVATE ACADEMY

2023 – 2024 | Course Catalog | Grades K - 12

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

ELEM SCHOOL K-5

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

Course Name	Subject	Course Description
ENGLISH LANGUAGE ARTS K	English	The English Language Arts K program comprises two courses, ELA K and Phonics K. The program provides kindergarten students with a complete early literacy learning experience. Students work through structured lessons that emphasize reading readiness, phonics, language skills, literature, writing skills, and handwriting through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice, both online and offline. The program provides a strong foundation in comprehension and vocabulary to instill a lifelong interest in reading and learning. Phonics prepares students to become independent readers through teacher-led, systematic, multisensory instruction in a developmentally appropriate manner. Students review letter names, practice phonological awareness, and learn decoding skills and sight words. Letter tiles, a variety of interactive games and activities, and decodable readers (brief stories that consist entirely of words students can read independently) support multimodal learning. Read-aloud instruction through a wide variety of texts kindles the imagination and builds knowledge while developing listening skills, comprehension, and vocabulary. Students acquire the critical skills and knowledge required for reading and literacy. Text selections include engaging classic literature, exciting contemporary titles, and informative nonfiction topics in a variety of formats including trade books, magazines, and e-books. Poems and nursery rhymes help students further expand vocabulary and comprehension while developing a love of language. Drawing, and later writing, in students' My Writing Journal K lays the foundations of the writing process as students brainstorm, discuss, illustrate, and share ideas with others. Targeted handwriting activities provide gentle instruction to help students print letters correctly.
ENGLISH LANGUAGE ARTS 1	English	The English Language Arts program comprises two courses, ELA and Phonics. The program provides a well-balanced approach to literacy that integrates phonics, reading, writing, grammar, vocabulary, spelling, and handwriting. Students develop comprehension, build vocabulary, and gain a lifelong interest in reading. Thematic units in literacy contain workshops in which instruction is anchored by a focus text. Through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice (both online and offline), students build knowledge by exploring both classic and contemporary works in different genres and formats—fiction, poetry, drama, nonfiction, trade books, magazines, and e-books. Beginning in the second semester, students complete focused grammar activities and write a variety of compositions by following the writing process. Phonics prepares students to become independent readers through teacher-led, systematic, multisensory instruction in a developmentally appropriate manner. Students review phonological awareness and learn advanced decoding skills and sight words. Letter tiles, a variety of interactive games and activities, and decodable readers (brief stories that consist entirely of words students can read independently) support multimodal learning. Spelling instruction begins in the second half of the first semester in ELA, building on the foundation of letter-sound knowledge previously mastered in Phonics. Targeted handwriting activities provide gentle instruction to help students print letters correctly.

Course Name	Subject	Course Description
ENGLISH LANGUAGE ARTS 2 SUMMIT	English	English Language Arts 2 Summit provides a well-balanced approach to literacy that connects reading, writing, grammar, word study (including vocabulary and spelling), and handwriting into one integrated program. The course comprises 12 thematic units. Each unit contains workshops in which reading, writing, and word study are anchored by a focus text. Through read-aloud videos, independent reading, and close reading activities, students explore both classic and contemporary works in different genres and formats-fiction, poetry, drama, nonfiction, and magazines. Through studying model writing from the reading selections, students use the writing process to complete a variety of short and long compositions. Students learn about grammar, usage, and mechanics and apply those skills as they write, revise, and proofread their work. Students grow their vocabulary by leaning the meanings of words from the reading selections, as well as their ability to determine word meanings through strategy-based instruction on concepts such as word relationships, context clues, and word parts. Foundational concepts of phonological awareness and phonics are also included. Spelling instruction focuses on common spelling patterns and understanding how to apply them to words beyond those on the spelling lists.
ENGLISH LANGUAGE ARTS 3 SUMMIT	English	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	English	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 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	English	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 K	Math	Math K is designed to provide students with a strong foundation in mathematical concepts. Students master content through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice, both online and offline. Teacher-led instruction engages students using online resources, including virtual manipulatives, videos demonstrating concepts with physical manipulatives, and videos teaching concepts through song. During independent practice, students solve problems online, often working with virtual manipulatives, and offline in an activity book. The Math K curriculum begins with a heavy emphasis on numbers and counting, leading to an understanding of addition and subtraction. Throughout the Math K course, students also explore mathematical concepts found around them in the world, including clocks and calendars, position and patterns, subitizing, shapes, measurable attributes, and money.

Course Name	Subject	Course Description
MATH 1	Math	Math continues to build a strong foundation in mathematical concepts. Students master content through a combination of teacher-led instruction (either live or via embedded video within the course) and independent practice. Teacher-led instruction engages students using online teacher resources, including virtual manipulatives, videos demonstrating concepts with physical manipulatives, and videos teaching concepts through song. During independent practice, students solve problems online, often working with virtual manipulatives, and offline in an activity book. The Math curriculum focuses on numbers and counting, data representations, addition and subtraction, story problems, length, time, shapes, and place value. Throughout the Math 1 course, students review mathematical concepts found around them in the world. They also master addition and subtraction math facts through 10.
MATH 2 SUMMIT	Math	Math 2 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 build-in for individualized independent practice, games, and offline practice. Summit Math 2 includes the tools and technology that students need to succeed. Summit Math 2 focuses on numbers through 1,000; time and money; two-digit addition and subtraction; story problems; shapes; number patterns; and data displays.
MATH 3 SUMMIT	Math	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	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	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 K	Science	Science K brings science alive by providing students a combination of virtual lab investigations (with options for hands-on learning), interactive lessons that provide opportunities for inquiry, and an array of e-books that capture students' attention and grow their interest in science. The curriculum begins with an overview of what science is and who scientists are. Students then focus on plant and animal relationships and analyze the weather. In the last half of the course, students explore how the sun affects their world and explore the interactions between different forces.
SCIENCE 1	Science	Science brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons that provide opportunities for inquiry, and an array of e-books that capture students' attention and grow their interest in science. The curriculum begins with an overview of what science is and how to study it. Students then focus on plant and animal traits and relationships. In the last half of the course, students explore the patterns they see in the sky and examine how sounds and light are used to communicate and help them understand their world.
SCIENCE 2	Science	Science brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as matter and its interactions, changes to the earth, and plants and animals. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.

Course Name	Subject	Course Description
SCIENCE 3	Science	Science brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as organisms, the environment, weather, climate, motion, and forces. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.
SCIENCE 4	Science	Science brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as energy, waves, information transfer, plant and animal structures, senses, and the earth's features and resources. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.
SCIENCE 5 SUMMIT	Science	Science brings science alive by providing students a combination of virtual lab investigations (with options for hand-on learning), interactive lessons, and an array of e-books that capture students' attention and grow their interest in science. Students engage in science and engineering practices as they explore topics such as matter, organisms, ecosystems, the earth's systems, and the earth's place in the universe. Throughout the course, students conduct investigations using digital tools and simulations. Some labs also include alternative investigations that use household materials.
SOCIAL STUDIES K	History	This course introduces students to fundamental topics within the social studies discipline. These topics include family, home, community and culture, geography, chronology, early U.S. history, civics and the responsibilities of citizenship, and economics. Students begin by locating themselves and their families within a community and culture. They learn about basic physical geography and how to read maps and globes. Students explore what history is and how they study the past. They learn about the first peoples of the Americas and the founding of the United States. Students identify symbols of and celebrations in the United States and investigate the lives of significant historical figures in the context of civic responsibility. They also explore citizenship and basic economics.
SOCIAL STUDIES 1	History	This course covers several different areas of social studies, including physical and human geography; history and historical sources; U.S. symbols, songs, and celebrations; citizenship and civic responsibility; and economics. Students learn about the locations, characteristics, resources, and cultures of the earth, as well as those in their own community. They explore concepts related to the study of history and the history of the United States. Students identify key U.S. symbols and learn the reasons behind special national observances. They learn the meaning of citizenship and the duties and responsibilities of good citizens. Students explore basic economic concepts, such as needs and wants, buying and selling, and consumers and producers. They investigate the development of ancient civilizations in the Fertile Crescent, Egypt, India, China, and Greece.
SOCIAL STUDIES 2 SUMMIT	History	Second graders experience a broad introduction to social studies and build a base for future learning. Students expand their map skills by using features of maps, including scale, direction, and location, read maps and draw conclusions. They put their map skills to use exploring the physical and human features of their community, state, country, continent, and world. Students increase their understanding of chronology and investigate the past using sources to learn more about themselves and their communities. They study people who influenced history as leaders, investors, and trailblazers. Students discover cultures around the world and in their own communities. Students also learn the basic concepts and operations of the economy and are introduced to the basic principles of personal finance. Students describe the role of government and expand their understanding of how citizens contribute to their communities.
SOCIAL STUDIES 3 SUMMIT	History	Third graders explore the world around them through the lens of diverse social studies concepts and topics. Students apply their knowledge of basic map skills to identify the purpose of various maps and interpret how people adapt and change their environment to adjust to different climates and natural resources. Students then investigate the regions of the country, studying their physical and human features, history, and culture. They describe how culture changes and adapts to meet human needs as they explore cultures around the world and in their communities. Students learn about the founding documents and principles of America's government to see how state, local, tribal, and national governments operate. They learn that citizens have rights, responsibilities, and civic duties. Students investigate the relationship between humans and their environment to learn ways they can make a difference in their communities. They survey various public issues then choose one to research and propose solutions. Students expand their understanding of basic principles of economics and the importance of savings and budgeting for personal financial health.

Course Name	Subject	Course Description
AMERICAN STUDIES 4 SUMMIT	History	Fourth graders investigate the geography, history, economics, and civics of the United States. Students begin their study of geography by learning how to read and interpret different types of maps. They use maps to explore the five regions of the United States, as well as neighboring countries to the north and south. Students learn about the nation's natural landmarks and landforms, weather and climate, plant life, and wildlife. They learn about capitals cities, urban and rural areas, business and industry, recreational and historical sites, and the importance of preserving the environment. Using primary and secondary sources they explore historical events and perspectives in American history. While students learn about cultural exchanges, settlement patterns, and migrations as the country changed over time, they begin to analyze historical events in terms of cause and effect to better understand the past. Students use research skills to learn about their state and share those findings with others. Students study basic economic concepts, financial choices, taxes, banking, and investing. They also explore federal, state, and local government and learn how America's founding documents established government by the people. They learn about citizenship rights and responsibilities, limits to rights, and how citizen address modern-day issues in their communities and nation.
HISTORY OF THE UNITED STATES	History	Students in History of the United States ED explore United States history, geography, economics, and government. This is done by focusing on the influence of physical and cultural characteristics on national origins, growth, and development. Students study Indigenous cultures, European exploration, colonization, settlement, the American Revolution, the founding of the Republic, the early years of the United States, the Civil War, and the 20th Century in the United States. Students learn about citizenship and the major components of the government as outlined in the United States Constitution. The course emphasizes critical thinking skills, including questioning, examining fact and opinion, analyzing and evaluating sources of information, contrasting and comparing using primary and secondary sources, and conducting research using a variety of resources. Additional social studies skills are integrated in the lessons including reading and analyzing maps, creating and interpreting charts and graphs, identifying relationships, engaging in debate, writing persuasively, and developing thinking and independent study skills.
ART K	Art	This course introduces students to the world of art. Students learn about paintings and sculptures. They see art that looks realistic and art that looks imaginary and discover how artists use lines, shapes, colors, patterns, textures, and forms in artworks. Students discuss portrait, landscape, and still life artworks. They draw, paint, and sculpt their own artworks that are inspired by the artworks they study.
ART 1	Art	This course introduces students to the world of art and architecture. Students learn about paintings and sculptures and see art that looks realistic and art that looks imaginary. Students discover how artists use lines, shapes, colors, patterns, textures, symmetry, and forms in portrait, landscape, and still life artworks. They discover ancient cave paintings and ancient art from Egypt, Greece, and China. Students draw, paint, and sculpt their own artworks that are inspired by the artworks they study
ART 2	Art	This course introduces students to the world of art and architecture. Students learn about paintings and sculptures, both realistic and abstract. They discover how artists use lines, shapes, colors, patterns, textures, and forms in portrait, landscape, and still life artworks. They discover art forms from Europe, Asia, Africa, and the Americas. Students draw, paint, and sculpt their own artworks that are inspired by the artworks they study.
ART 3	Art	This course introduces students to art and architecture from the 1400s through the 1700s. Students extend their knowledge of the elements of art and principles of design, such as form, texture, pattern, contrast, and balance. They investigate artworks from Europe, Asia, Africa, and the Americas. Students draw, paint, and sculpt their own artworks using a variety of materials and techniques, all of which are inspired by the artworks they study.
ART 4	Art	This course introduces students to the art and architecture of early America through the modern era. Students extend their knowledge of elements of art and principles of design, such as form, texture, pattern, contrast, and balance. They investigate Colonial American artworks and modern artworks that generated new forms of expression. Students draw, paint, and sculpt their own artworks using a variety of materials and techniques, all of which are inspired by the artworks they study.
EARLY AMERICAN ART	Art	This course introduces students to early American art, beginning with the art of the Indigenous peoples of North America and ending with the art and architecture of Colonial America. Students extend their knowledge of elements of art and principles of design such as form, texture, pattern, contrast, and balance. Students draw, paint, and sculpt their own artworks using a variety of materials and techniques, all of which are inspired by the artworks they study.

Course Name	Subject	Course Description
SPOTLIGHT ON MUSIC, GRADES K–2	Music	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	Music	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.
ELEMENTARY SPANISH I	World Language	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 a 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 the 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.
ELEMENTARY SPANISH II	World Language	This introductory Spanish II course provides a fun, interactive experience for a student's early exposure to the Spanish language. The content for each unit is based on an authentic story, myth, or legend from a Spanish-speaking culture. This course, designed specifically for younger students, focuses principally on vocabulary acquisition through stories, games, songs, and practice activities. In addition to vocabulary, students are introduced to grammar concepts, which will help them to better understand vocabulary and provide them a foundation for more extensive grammar study in later Spanish courses. Students also practice Spanish pronunciation through reading short passages taken from the authentic stories presented in each unit. Students are exposed to the 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 FRENCH I	World Language	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	World Language	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.

Course Name	Subject	Course Description
INTERMEDIATE FRENCH II	World Language	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.
BEGINNING CHINESE I	World Language	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	World Language	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.
ONLINE LEARNING K-1	Orientation	The Introduction to Online Learning teaches students to navigate and acclimate to the online program. In this course, students will learn how to: • Identify the key components of the online school. • Navigate the online school and move through lessons. • Locate and understand important tools and resources such as their daily plan, class connect sessions, and grades. • Work with interactive activities and download a worksheet/PDF within a lesson. • Complete a sample assessment. • Use materials safely. • Use the Reading Toolbar. • Be a good digital citizen and form good habits in order to be successful.
ONLINE LEARNING 2-5	Orientation	The Introduction to Online Learning teaches students to navigate and acclimate to the online program. In this course, students will learn how to: • Identify the key components of the online school. • Navigate the online school and move through lessons. • Locate and understand important tools and resources such as their daily plan, class connect sessions, and grades. • Work with interactive activities and download a worksheet/PDF within a lesson. • Complete a sample assessment. • Use materials safely. • Use the Reading Toolbar. • Be a good digital citizen and form good habits in order to be successful.

K12 | PRIVATE ACADEMY | 23-24 COURSE LIST ELEMENTARY SCHOOL

ENGLISH/LANGUAGE ARTS
English Language Arts/Phonics K
English Language Arts/Phonics 1
English Language Arts 2 Summit
English Language Arts 3 Summit
English Language Arts 4 Summit
English Language Arts 5 Summit
MATH
Math K
Math 1
Math 2 Summit
Math 3 Summit
Math 4 Summit
Math 5 Summit
SCIENCE
Science K
Science 1
Science 2
Science 3
Science 4
Science 5
HISTORY/SOCIAL SCIENCES
Social Studies K Summit
Social Studies 1 Summit
Social Studies 2 Summit
Social Studies 3 Summit
American Studies 4 Summit
History of the United States
WORLD LANGUAGES
Beginning Chinese I (K-2)
Intermediate Chinese I (3-5)
Beginning French I (K-2)
Intermediate French I (3-5)
Intermediate French II (3-5)
Elementary Spanish I
Elementary Spanish II

ART
Art K
Art 1
Art 2
Art 3
Art 4
Early American Art
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
Online Learning K-1
Online Learning 2-5

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

MIDDLE SCHOOL 6–8

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

Course Name	Subject	Course Description
SUMMIT LANGUAGE ARTS 6	English	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	English	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	English	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.
SUMMIT MATH 6	Math	In K12's Grade 6 mathematics course, students deepen their understanding of multiplication and division of fractions to apply their knowledge to divide fractions by fractions, with an additional focus on increasing efficiency and fluency. Students gain a foundation in the concepts of ratio and rate as an extension of their work with whole number multiplication and division, and in preparation for work with proportional relationships in Grade 7. Students also make connections among area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations

Course Name	Subject	Course Description
SUMMIT MATH 7	Math	In K12's Grade 7 mathematics course, students focus on real-world scenarios and mathematical problems involving algebraic expression 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 analyze relationships among geometric figures. Students also develop and apply understandings of proportional relationships.
SUMMIT MATH 8	Math	Grade 8 mathematics course prepares students for more advanced study in algebra as students solve linear equations and systems of equations, work with radical and integer exponents, gain conceptual understanding of functions, and use functions to model quantitative relationships. To prepare students for more advanced study in geometry, the course emphasizes the Pythagorean theorem and a deepening exploration of similarity and congruence.
PRE-ALGEBRA	Math	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.
SUMMIT EARTH SCIENCE	Science	The Earth Science curriculum builds on natural curiosity of students. By connecting them to the beauty of geological history, the amazing landforms around the globe, the nature of the sea and air, and the newest discoveries about our universe, the curriculum gives students an opportunity to relate to their everyday world. Students will explore topics such as the fundamentals geology, oceanography, meteorology, and astronomy; Earth's minerals and rocks; Earth's interior; plate tectonics; earthquakes, volcanoes, and the movements of continents; geology and the fossil record; the oceans and the atmosphere; the solar system and the universe. Lesson assignments help students discover how scientists investigate the science of our planet.
SUMMIT LIFE SCIENCE	Science	The Life Science program invites students to investigate the world of living things- at levels both large and small-by reading, observing, and experimenting with aspects of life on Earth. Students explore an amazing variety of organisms, the complex workings of the cell and cell biology, the relationship between living things and their environments, and discoveries in the world of modern genetics. Students tackle such topics as ecology, microorganisms, animals, plants, cells, animals, species, adaptation, heredity, genetics, and the history of life on Earth. Lesson activities and assignments help students discover how scientists investigate the living world.
SUMMIT PHYSICAL SCIENCE	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.

Course Name	Subject	Course Description
SUMMIT AMERICAN HISTORY SINCE 1865	History	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.
WORLD HISTORY I	History	Intermediate World History A surveys the story of the human past from the period before written records (prehistory) through the fourteenth century. The course is organized chronologically and, within broad eras, regionally. Students examine change over time, including the development of religion, philosophy, the arts, and science and technology. Geography concepts and skills are introduced as they appear in the context of the historical narrative. Students explore what archaeologists and historians have learned about the earliest hunter-gatherers and farmers and then study the four river valley civilizations. They also study the origins of Confucianism, Hinduism, Buddhism, and Judaism and the eras in which they developed. The second half of the course traces the history of classical Greece and Rome, the Byzantine Empire, and the origins of Christianity and Islam, continuing to the fourteenth century in Europe, North Africa, and East Asia. Students develop and refine historical thinking skills by practicing document and art analysis, conducting research, and analyzing events from multiple perspectives. They also practice map reading skills, study how historians draw conclusions about the past as well as what those conclusions are and connect past events to today's world.
WORLD HISTORY II	History	Intermediate World History B begins in the fourteenth century and continues to the beginning of World War I. Students use the second volume of K12's The Human Odyssey, as well as online lessons and assessments. 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. Students also learn and practice historical thinking skills by analyzing events and documents from the past from multiple perspectives. In addition, students investigate how past events affect today's world. Major topics of study include the following: -The cultural rebirth of Europe during 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 flourished in the Americas for hundreds of years prior to encounters with Europeans -The changes that came with the Scientific Revolution and the Enlightenment -Democratic revolutions of the eighteenth and nineteenth centuries - The Industrial Revolution and its consequences - Nineteenth-century nationalism and imperialism -The transformations in communications and society at the turn of the twentieth century.
SUMMIT INTERMEDIATE AMERICAN ART I +	Art	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 II +	Art	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.

Course Name	Subject	Course Description
SUMMIT INTERMEDIATE WORLD ART III +	Art	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.
SPOTLIGHT ON MUSIC, GRADE 6	Music	Explore and build foundational musical skills with Spotlight and Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. Six units in the course are organized into four sections: Spotlight on Concepts, Spotlight on Music Reading, Spotlight on Performance, and Spotlight on Celebrations. Students learn about these musical elements: duration, pitch, design, tone color, dynamics, tempo, articulation, style, and music background.
SPOTLIGHT ON MUSIC, GRADE 7	Music	Explore and build foundational musical skills with Spotlight on Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. The course is organized into nine units. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students explore beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.
SPOTLIGHT ON MUSIC, GRADE 8	Music	Explore and build foundational musical skills with Spotlight and Music. This course offers a variety of learning activities that include singing, dancing, virtual instruments, listening maps, authentic sound recordings and playing the recorder. The course is organized into nine units. Students learn about these musical elements: duration, pitch, design, tone color, expressive qualities, and cultural context. Students' explorer beat, meter, rhythm, melody, harmony, tonality, texture, form, tone color, dynamics, tempo, articulation, style, and music background.
MIDDLE SCHOOL SPANISH I	World Language	Middle School Spanish I has been carefully aligned to national standards set forth by the American Council on the Teaching of Foreign Languages (ACTFL). Students in Middle School Spanish I focus 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, interactive activities that reinforce vocabulary and grammar, and frequent assessments during which language progression can be monitored. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students have many opportunities to practice and master the vocabulary and grammar before moving to the next unit. In this course, students explore greetings; school; adjectives; colors; continents, countries, and numbers; telling time; *–ir*, *–er,* and *–ar* verbs; and days, months, and seasons.
MIDDLE SCHOOL SPANISH II	World Language	Middle School Spanish II has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL). Students in Middle School Spanish II continue to focus 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, interactive activities that reinforce vocabulary and grammar, and frequent assessments during which their language progression can be monitored. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit with many opportunities for practice to allow students to master the vocabulary and grammar before moving to the next unit. In this course, students explore hobbies and pastimes, food, family, places, animals, shopping, and weather.

Course Name	Subject	Course Description
MIDDLE SCHOOL FRENCH I	World Language	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. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
MIDDLE SCHOOL FRENCH II	World Language	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. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). Prerequisite: Middle School French 1 (or equivalent)
MIDDLE SCHOOL CHINESE I	World Language	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. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Course Name	Subject	Course Description
MIDDLE SCHOOL CHINESE II	World Language	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). Prerequisite: K12 Middle School Chinese 1 (or equivalent)
MIDDLE SCHOOL CAREER EXPLORATIONS 1	Career Readiness	This course is a Product Based Learning course (PBL) and is designed as an exploration of career pathways. In this course students explore basic concepts in the broad areas within the National Clusters Framework, as well as career options in various clusters. Students study the concepts of marketing, engineering, education, training, healthcare, and construction in addition to other common related functions. Students complete projects to develop a deeper understanding of the roles these careers functions play.
MIDDLE SCHOOL CAREER EXPLORATIONS 2	Career Readiness	This course is a Product Based Learning course (PBL) and is designed as an exploration of career pathways. In this course students explore basic concepts in the broad areas within the National Clusters Framework, as well as career options in various clusters. Students study the concepts of cybersecurity, nutrition, social responsibility, and the process of applying for a job in addition to other common related functions. Students complete projects to develop a deeper understanding of the roles these career functions play.
INTRODUCTION TO THE INTERNET	Career Readiness	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	Career Readiness	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.

Course Name	Subject	Course Description
WEB DESIGN	Career Readiness	TCH008 Web Design is a Code HS 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 courses, 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. 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.
WELCOME TO ONLINE LEARNING	Orientation	The Online Learning: Middle and Highschool course is an introduction to the virtual learning environment for middle and high school students with information for Learning Coaches. Topics include an orientation to people and parts of an online school., the online school platform, opportunities for socializing, sample assessments, and tips about how to create an effective learning environment, manage time, and be successful. Each lesson has video tutorials, printable guides, and practice activities such as sending e-mail or creating schedules and backup plans. Veteran students and Learning Coaches share personal experiences and advice.

K12 | PRIVATE ACADEMY | 23-24 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
World History I
World History II
WORLD LANGUAGES
Middle School Chinese I
Middle School Chinese II
Middle School French I
Middle School French 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
MS Career Explorations 1* +
MS 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 is only available to students enrolled in the career pathway program.

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

Some courses may require families to purchase materials beyond those supplied by K12 Private Academy to successfully complete the course.

HIGH 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 a minimum of six (6) credits and must spend one academic year enrolled as a full-time student with K12 Private Academy to be eligible for a K12 Private 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 Private 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.

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.

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.

Course Name	Subject	Course Description
ENGLISH CORE		
ENG108E2: SUMMIT ENGLISH 9	English Core	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: Summit Language Arts 8 (or equivalent)
ENG109E2: SUMMIT ENGLISH 9 HONORS	English Core	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: Summit Language Arts 8 (or equivalent)
ENG208E2: SUMMIT ENGLISH 10	English Core	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 grade10. 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: Summit English 9 (or equivalent)
ENG209E2: SUMMIT ENGLISH 10 HONORS	English Core	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 topic sin SummitEnglish10, as well as an independent honors project in each semester. Course Length: Two semesters Prerequisites: Summit English 9 (or equivalent)
ENG303E3: SUMMIT AMERICAN LITERATURE	English Core	In this course, students read and analyze works of American literature from colonial to contemporary times, including poetry, short stories, novels, drama, and nonfiction. These 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: Summit English 10 (or equivalent)
ENG304E3: SUMMIT AMERICAN LITERATURE HONORS	English Core	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: Summit English 10 Honors (or equivalent) and teacher/school counselor recommendation

Course Name	Subject	Course Description
ENG403: SUMMIT BRITISH AND WORLD LITERATURE	English Core	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: Summit American Literature (or equivalent)
ENG404: SUMMIT BRITISH AND WORLD LITERATURE HONORS	English Core	Students read selections from British and world literature in a loosely organized chronological framework. They analyze the themes, styles, and structures of these texts and make thematic connections among diverse authors, periods, and settings. Students work independently on many of their analyses and engage in creative collaboration with their peers. Students also practice test-taking skills for standardized assessments in critical reading and writing. Course Length: Two semesters Prerequisites: Summit English 10 Honors (or equivalent or Summit American Literature Honors (or equivalent), and teacher/school counselor recommendation
ENG500E4: AP® ENGLISH LANGUAGE AND COMPOSITION	English Core	AP English Language and Composition provides students with the opportunity to read and write critically. The course is structured into units, based on the College Board guide. Students will closely examine big ideas such as: rhetorical situation, claims and evidence, reasoning and organization and style. They will read a variety of non-fiction writings, including scientific, sociological, philosophical, and narrative texts. The students will read annotate and write synthesis essays (using several primary sources), as well as argument and rhetorical analysis essays. Students will work through the writing process using peer review and teacher feedback to complete several drafts of their work. The course is designed to be equivalent of a one-semester introductory college- or university - level survey course. This course meets guidelines outlined in the College Board's AP® English Language and Composition Course and Exam Description. Course Length: Two semesters Prerequisites: Success in Summit English 10 Honors (or equivalent) or Summit American Literature Honors (or equivalent), and teacher/school counselor recommendation
ENG510E4: AP® ENGLISH LITERATURE AND COMPOSITION	English Core	AP English Literature and Composition provides students with the opportunity to read and analyze a variety of works and write about those works with stylistic maturity. The course is structured into units, based on the College Board Course and Exam Description. Students will closely examine big ideas such as: character, setting, structure, narration, figurative language, and literary argument. They will read fictional works, including short fiction, long fiction, poetry, and drama from a variety of countries and time periods. Students will practice analyzing works through an assortment of strategies. Students will write multiple essays encompassing prose fiction analysis, poetry analysis, and literary argument. They will also complete a full research paper that compares two works, utilizing secondary, as well as primary, sources. They will complete an annotated bibliography and work through the writing process using peer review and teacher feedback to complete several drafts of their paper. In addition, students will be given opportunities to practice for the AP® exam, with both multiple-choice questions and timed essays. This course is designed to be the equivalent of a one-semester introductory college-or-university-level survey course. Course Length: Two semesters Prerequisite: Success in Summit English 10 Honors (or equivalent) or Summit American Literature Honors (or equivalent), and teacher/school counselor recommendation

Course Name	Subject	Course Description
MATH CORE		
MTH128: SUMMIT ALGEBRA I	Math Core	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: None
MTH129: SUMMIT ALGEBRA 1 HONORS	Math Core	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: None
MTH208: SUMMIT GEOMETRY	Math Core	K12's Geometry course builds on the geometry covered in middle school to explore more complex geometric situations and deepen students' ability to explain geometric relationships, moving toward formal mathematical arguments. Specific topics include basic tools, transformations, proofs, and congruence. Course Length: Two semesters Prerequisite: Algebra 1 (or equivalent)
MTH209: SUMMIT GEOMETRY HONORS	Math Core	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	Math Core	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	Math Core	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, 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, probably distributions, and more advanced data analysis techniques. This course includes all topics in MTH308 as well as several extension activities. Each semester also includes data analysis techniques. Course Length: Two semesters Prerequisite: Algebra 1 and Geometry or equivalent

Course Name	Subject	Course Description
MTH307: SUMMIT PRACTICAL MATH	Math Core	In this course, students use math to solve real-world problems—and real- world problems to solidify their understanding of key mathematical topics. Data analysis, math modeling, and personal finance are key themes in this course. Specific topics of study include statistics, probability, graphs of statistical data, regression, finance, and budgeting. In addition, students learn how to use several mathematical models involving algebra and geometry to solve problems. Proficiency is measured through frequent online and offline assessments as well as class participation. Units focused on projects also allow students to apply and extend their math skills in real-world cases. Course Length: Two semesters Prerequisites: Algebra I and Geometry
MTH403: SUMMIT PRE-CALCULUS/TRIGONOMETRY	Math Core	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 (or equivalents)
MTH413: SUMMIT PROBABILITY AND STATISTICS	Math Core	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	Math Core	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 have 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	Math Core	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

Course Name	Subject	Course Description
MTH510E3: AP® STATISTICS	Math Core	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 CORE		
SCI102E3: SUMMIT PHYSICAL SCIENCE	Science Core	Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry- based learning, with both hands-on laboratory investigations and virtual laboratory experiences. Course Length: Two semesters Prerequisite: Middle School Physical Science (or equivalent)
SCI113E3: SUMMIT EARTH SCIENCE	Science Core	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: Middle School Earth Science (or equivalent)
SCI114E3: SUMMIT EARTH SCIENCE HONORS	Science Core	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), Middle School Physical Science (suggested, or equivalent); and teacher/school counselor recommendation.
SCI203E3: SUMMIT BIOLOGY	Science Core	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)

Course Name	Subject	Course Description
SCI204E3: SUMMIT BIOLOGY HONORS	Science Core	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: Middle School Life Science (or equivalent), success in previous science course; and teacher/school counselor recommendation
SCI303E3: SUMMIT CHEMISTRY	Science Core	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, 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	Science Core	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: Success in previous science course. or Honors Algebra I (or equivalent); and teacher/school counselor recommendation
SCI403: SUMMIT PHYSICS	Science Core	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 Summit Physics
SCI404: SUMMIT PHYSICS HONORS	Science Core	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: 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 Summit Physics Honors; and teacher/ school counselor recommendation

Course Name	Subject	Course Description
SCI500E5: AP® BIOLOGY	Science Core	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. The content aligns to the sequence of topics recommended by the College Board. Course Length: Two semesters Prerequisites: Success in Honors Biology, Honors Chemistry, Honors Algebra I (or equivalents); and teacher/school counselor recommendation required; success in Honors Algebra II highly recommended
SCI510: AP® CHEMISTRY	Science Core	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. Course Length: Two semesters Prerequisites: Honors Chemistry and Honors Algebra II (or equivalents), and teacher/school counselor recommendation
SCI530: AP® ENVIRONMENTAL SCIENCE	Science Core	The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environment problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental science, chemistry, and geography. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. Course Length: Two semesters Prerequisites: Students must have taken at least one year of high school algebra and successfully completed a high school earth science course.
SCI010: SUMMIT ENVIRONMENTAL SCIENCE	Science Core	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
SCI330: ANATOMY AND PHYSIOLOGY	Science Core	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. Course Length: Two semesters Prerequisites: SCI203Biology

Course Name	Subject	Course Description
SCI030: FORENSIC SCIENCE	Science Core	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 Biology (or equivalent) and Chemistry is highly recommended
HISTORY & SOCIAL SCIENCE CORE		
HST103: WORLD HISTORY	History Core	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 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 and from multiple perspectives as they analyze primary sources and maps and complete other projects. They practice 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 A, World History A, or World History B (or equivalents)
HST104: WORLD HISTORY HONORS	History Core	In this challenging survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. 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 advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester. Course Length: Two semesters Prerequisites: Middle School American A, World History A, or World History B (or equivalents)
HST203: MODERN WORLD STUDIES	History Core	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 problems and 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 from multiple perspectives. Online lessons help students organize their studies, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, connecting past historical events to current events, and completing projects. Course Length: Two semesters Prerequisites: Middle School World History A and World History B (or equivalents)

Course Name	Subject	Course Description
HST204: MODERN WORLD STUDIES HONORS	History Core	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 A and World History B (or equivalents)
HST213: GEOGRAPHY	History Core	This course examines a broad range of geographical perspectives covering all the major regions of the world. Students examine the similarities and differences among the regions as they explore each region's location, physical characteristics, 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 learn and apply critical thinking skills as they study issues from multiple perspectives. Course Length: Two semesters
HST303: U.S. HISTORY	History Core	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: World History or Modern World Studies (or equivalents) **All Students Must Take This Course**
HST304: U.S. HISTORY HONORS	History Core	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: World History, World History Honors, or Modern World Studies Honors (or equivalents), and teacher/school counselor recommendation
HST403: U.S. GOVERNMENT AND POLITICS	History Core	Students study the history, organization, and functions of the U.S. government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and their 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. They analyze current and historical issues from multiple points of view to practice and deepen their critical thinking skills. Course Length: One semester Prerequisite: U.S. History (or equivalent) is recommended, but not required

Course Name	Subject	Course Description
HST413: U.S. AND GLOBAL ECONOMICS	History Core	In this course on economic principles, students explore the 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, and the roles 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 the effects of globalization. Students also refine their critical thinking skills by analyzing economic issues from multiple perspectives. Course Length: One semester Prerequisite: U.S. Government and Politics (or equivalent) is recommended, but not required
HST500: AP® U.S. HISTORY	History Core	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
HST510: AP® U.S. GOVERNMENT & POLITICS	History Core	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: Honors U.S. History (or equivalent); and teacher/ counselor recommendation
HST520E3: AP® MACROECONOMICS	History Core	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: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation
HST530E3: AP® MICROECONOMICS	History Core	This course is the equivalent of an introductory college-level course. Students explore the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students learn why the same product can cost different amounts at different stores, in different cities, and at different times. Students also learn to spot patterns in economic behavior and learn how to use those patterns to explain buyer and seller behavior under various conditions. Lessons promote an understanding of the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in the economy. Students prepare for the AP® exam and further study in business, history, and political science. Course Length: One semester Prerequisites: Success in: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation

Course Name	Subject	Course Description
HST540E3: AP® PSYCHOLOGY	History Core	AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychological 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-reflections. They will study core psychological concepts, such the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. The course exposes students to facts, research, appropriate terminology, and major figures in the world of psychology. The equivalent of a 100-level college survey course, AP Psychology prepares students for the AP Exam and for further studies in psychology and life sciences. The content aligns to the College Board Course and Exam Description for Psychology. Course Length: One semester Prerequisites: SCI204: Honors Biology (or equivalent) and teacher/school counselor recommendation
HST550E1: AP® HUMAN GEOGRAPHY	History Core	In this course, students will identify and define the central themes of human geography and ways in which key concepts in AP Human Geography are linked together. This course prepares for the AP® Human Geography exam. Course Length: Two semesters Prerequisites: Success in a previous history course and teacher/ school counselor recommendation
HST560E3: AP® WORLD HISTORY	History Core	This course spans from ca. 1200 CE to the present in a rigorous academic format organized by chronological periods and viewed through fundamental concepts and course themes. Students analyze the causes and processes of continuity and change across historical periods. Themes include human-environment interaction, cultures, expansion and conflict, political and social structures, and economic systems. In addition, to mastering historical content, students cultivate historical thinking skills that involve crafting arguments based on evidence, identifying causation, comparing, and supplying context for events and phenomena, and developing historical interpretation. This course prepares for the AP® World History exam. Course Length: Two semesters Prerequisites: Success in a previous history course and teacher/ school counselor recommendation
HEALTH & PE		
OTH010: SUMMIT SKILLS FOR HEALTH	Health & PE	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	Health & PE	This 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, 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

Course Name	Subject	Course Description
WORLD LANGUAGES		
WLG100: SPANISH I	World Language	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
WLG200: SPANISH II	World Language	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	World Language	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 show 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 by which their language progression can be monitored. Course Length: Two semesters Prerequisite: WLG200: Spanish II (or equivalent)

Course Name	Subject	Course Description
WLG500: AP® SPANISH LANGUAGE AND CULTURE	World Language	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 prepare 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 equivalents), and teacher/ school counselor recommendation
WLG110: FRENCH I	World Language	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
WLG210: FRENCH II	World Language	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)

Course Name	Subject	Course Description
WLG310: FRENCH III	World Language	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 form a land 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	World Language	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 equivalents), and teacher/school counselor recommendation
WLG130: LATIN I	World Language	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 earning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical context soft he ancient sources they study and take frequent assessments where their language progression can be monitored. Course Length: Two semesters

Course Name	Subject	Course Description
WLG230: LATIN II	World Language	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	World Language	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
WLG240: CHINESE II	World Language	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)

Course Name	Subject	Course Description
WLG150: AMERICAN SIGN LANGUAGE I	World Language	Did you know that American Sign Language (ASL) is the third most commonly used language in North America? American Sign Language: Introduction will introduce you to vocabulary and simple sentences, so, that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness. American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture.
WLG 250: AMERICAN SIGN LANGUAGE II	World Language	American Sign Language 2 goes beyond introductory ASL signs. This course helps students form structured sentences and explores how expressions can enhance signs to have meaningful conversations. Students will learn to communicate in everyday situations while learning vocabulary for descriptions, directions, shopping, and dealing with emergency situations. Furthermore, the course will teach students about the Deaf Community, culture, and language. Students will learn about sequencing, transitions, future tenses, and will be able to tell a story, and ask questions.
ELECTIVES		
BUS030: SUMMIT PERSONAL FINANCE	Business Mgmt. Electives	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
BUS045: ENTREPRENEURSHIP I	Business Mgmt. Electives	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	Business Mgmt. Electives	Students build on the business concepts they learned in Introduction to Entrepreneurship I. Students continue to explore the different functions of business, while refining their technology and communication skills in speaking, writing, networking, negotiating, and listening. The purpose of this course is to prepare students to launch a small business venture. Course Length: One semester Prerequisite: BUS045 Entrepreneurship I
BUS065: MARKETING 1	Business Mgmt. Electives	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	Business Mgmt. Electives	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, students will understand what it takes to start a small business venture. Course Length: One semester Prerequisite: BUS065 Marketing 1 or BUS065-PBL Marketing 1

Course Name	Subject	Course Description
BUS080: INTERNATIONAL BUSINESS	Business Mgmt. Electives	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 of business, investigating why and how companies go international and are more interconnected. The course further provides students with a conceptual tool by which to understand how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Students explore business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations. They also cultivate studies, research skills, and continuing education are important in twenty-first-century business activities. Course Length: One semester
BUS090: SPORTS AND ENTERTAINMENT MARKETING	Business Mgmt. Electives	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 develop 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
BUS091: SPORTS AND ENTERTAINMAENT MARKETING 2	Marketing	“Five, four, three, two, one—rest.” You’ve learned what it looks like to work one-on-one with clients as a sports medicine professional, and now it’s time to focus on the group. In this course, you will be introduced to teaching group exercise classes and providing rehabilitation services to clients facing injury and disease. You will also learn about laws that govern the work of sports medicine professionals, business concerns like insurance and staffing, and what you need to consider if you start your own fitness facility. It looks like it’s time for the next set! Let’s get started!
BUS113: ACCOUNTING 1	Business Mgmt. Electives	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	Business Mgmt. Electives	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
BUS210: PROFESSIONAL SALES AND PROMOTION	Business Mgmt. Electives	“Sell me this pen.” It seems like an easy request, but the art of selling takes nuance, expertise, and an ability to navigate the complexities of client needs. In this course, you’ll learn about the bigger picture of the sales cycle. You’ll examine the role of today’s sales professional along with the skills and qualities needed for success, and you’ll learn the ins and outs of the sales process and how it is driven by recognizing and responding to customer needs. Before long, you’ll be a part of the well-oiled engine that drives the entire commercial economy. But first, can you sell me this pen? Course Length: One semester

Course Name	Subject	Course Description
MTH322: SUMMIT CONSUMER MATH	Business Mgmt. Electives	In Summit Consumer Math, students study and review arithmetic skills they can apply in their personal lives and in their future careers. The first semester of the course begins with a focus on occupational topics; it includes details on jobs, wages, deductions, taxes, insurance, recreation and spending, and transportation. In the second semester, students learn about personal finances, checking and savings accounts, loans and buying on credit, automobile expenses, and housing expenses. Narrated slideshows help illustrate some of the more difficult content. Throughout the course, students participate in online discussions with each other and their teacher. Course Length: Two semesters
MFG 240: APPLIED ENGINEERING 1: INTRODUCTION	Tech Electives	Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work. Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world! Course Length: One semester
MFG250: APPLIED ENGINEERING 2: SOLVING PROBLEMS	Tech Electives	Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations. Course Length: One semester Prerequisite: Engineering Fundamentals 1
TCH027: GREEN DESIGN AND TECHNOLOGY	Tech Electives	This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field. Course Length: One semester
TCH028: DIGITAL ARTS I	Tech Electives	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
TCH029: DIGITAL ARTS II	Tech Electives	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
TCH160: INTRODUCTION TO ROBOTICS	Tech Electives	Are you fascinated with how machines work? Robots are machines, and they are all around us, from helping doctors in surgeries to helping to keep our homes clean. Explore the physics, mechanics, motion, and the engineering design and construction aspects used to develop robots. Learn how models are created through both sketches and software. Discover STEM careers and the education needed to enter this high demand field. Course Length: One semester

Course Name	Subject	Course Description
TCH162: INTRODUCTION TO ROBOTICS 2	Tech Electives	The robots have invaded… and they're here to make our lives easier. You've learned about the basics of robotics and STEM careers, but now we're going to learn about manipulating the physical world to create desired effects. In this course, you'll learn to manipulate electrical signals to create logic and memory, how to quantify the physical world through variables, and how to have an impact through tools. You'll discover how to choose the best tools and materials, how to create AI, and how to take an idea from initial planning to a completed project. Let's continue the pursuit of a career in robotics so the friendly invasion can thrive! Course Length: One semester Prerequisite: TCH160
TCH031E2: DIGITAL PHOTOGRAPHY I	Tech Electives	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
TCH032E2: DIGITAL PHOTOGRAPHY II	Tech Electives	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 you 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 1
TCH035: IMAGE DESIGN & EDITING	Tech Electives	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 port 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 reattended images of their own. Course Length: One semester
TCH076: 3D MODELING 1	Tech Electives	Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, and in this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods. By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas. 3D modeling is an essential part of the modern world and soon, you'll be able to contribute yourself! Course Length: One semester
TCH077: 3D MODELING 2	Tech Electives	Many buildings that are rendered in the real world first are constructed in a digital 3D world that depicts the aesthetics, environment, and conditions of what will come to be. In this course, you will be introduced to the tools and techniques needed to create works of 3D art. You will bring your objects to life with color, textures, lighting, and shadow all while simulating the movement of world around. Are you ready to bring beautiful objects to life in a 3D world? Let's get started today! Course Length: One semester Prerequisite: TCH076
TCH083: ANIMATION 1	Tech Electives	Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's being your story to life with animation! Course Length: Two semesters

Course Name	Subject	Course Description
TCH100 Software Apps: PowerPoint with Cert Prep	Tech Electives	TCH100 Software Apps: PowerPoint with Exam Prep is MSi curriculum that prepares students for the Microsoft Office Specialist Exam. This course introduces users to PowerPoint 2019 and covers: managing presentations, slides, text, shapes, and images, tables, charts, and SmartArt, 3D models and media, and transitions and animations. Students will learn basic terminology, modify slide masters and layouts, add/remove properties, set up slide shows and print options, use zoom techniques, add headers and footers, apply formatting and styles, insert hyperlinks and sections, resize and crop images, create shapes, insert audio/video clips, and set transition/animation effects and motion paths.
TCH105 COMPUTER LITERACY	Tech Electives	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 Software Apps: Word with Cert Prep	Tech Electives	TCH110 Software Apps: Word with Exam Prep is MSi curriculum that prepares students for the Microsoft Office Specialist Exam. This course teaches learners how to use the Word Application Interface and familiarize themselves with Word options. It covers topics such as navigating and customizing the ribbon, editing documents, formatting text, managing comments, and tracking changes to create professional documents.
TCH 110A: Computer Science JavaScript I	Tech Electives	TCH110A Computer Science: JavaScript I is a CodeHS course that covers the first semester of the Introduction to Computer Science in JavaScript course series. In this course, students are introduced to the foundations of computer science and the basics of programming with the JavaScript language. After completing this course, students develop the skills needed to take the second-semester course in this series. Students learn material equivalent to a semester college introductory course in computer science and can program in JavaScript upon completing both course A and course B in this series.
TCH 110B: Computer Science JavaScript I	Tech Electives	TCH110B Computer Science: JavaScript I is a CodeHS course that covers the second semester of the Introduction to Computer Science in JavaScript course series. Concepts covered in the course include functions, animation, and games. Once students complete this course, they will have learned material equivalent to a semester college introductory course in computer science and be able to program in JavaScript.
TCH0310DE1 Digital Media: Photoshop with Exam Prep	Tech Electives	TCH310 Digital Media: Photoshop with Exam Prep is MSi curriculum that prepares students for the Adobe Certified Professional Exam. The course covers the fundamentals of working in the design industry. It will familiarize students with the key terminology related to digital images, introduce them to the purpose, audience, and needs of preparing images, and teach them basic design principles and best practices. The course will also cover project setup and interface, document organization, creating and modifying visual elements, and publishing digital media. Students will be exposed to using layers, modifiable visibility, and nonprinting design tools; importing assets; managing colors, swatches, gradients, brushes, symbols, styles, and patterns, understanding destructive and nondestructive editing; and preparing images for export.
TCH321 Software Apps: Excel Expert with Exam Prep	Tech Electives	*Course Description Coming Soon*

Course Name	Subject	Course Description
TCH323AE2: INTRODUCTION TO JAVA PROGRAMMING	Tech Electives	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 beforeTCH324 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. Course Length: One semester Prerequisites: introduction to comp sci, Alg 1
TCH323BE2: INTRODUCTION TO JAVA PROGRAMMING	Tech Electives	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: TCH323AE2 Introduction to Java 1
TCH330DE1 Digital Media: Illustrator with Exam Prep	Tech Electives	o Moore Solutions offers turnkey solutions designed to meet the needs of educators and students across a variety of education environments. o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. o All courses are aligned with current industry-based certifications and test prep is included Course Length: One semester
TCH342E2: PYTHON PROGRAMMING 1	Tech Electives	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

Course Name	Subject	Course Description
TCH343E3: PYTHON PROGRAMMING 2	Tech Electives	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
TCH370: WEB DEVELOPMENT	Tech Electives	The Web Development Capstone Course is intended to teach students the fundamentals of development in a project-based learning environment. Students will be taught the basic elements of web development, such as web hosting, file organization, and incorporating JavaScript into HTML files. Over the course of the school will collaboratively and independently design, develop and implement functional and responsive webpages using these foundational skills. Course Length: Two semesters
TCH430E1 Digital Media: Animate with Exam Prep	Tech Electives	o Moore Solutions offers turnkey solutions designed to meet the needs of educators and students across a variety of education environments. o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. o Instructor resources are provided including scope and sequence and a pacing guide. o All courses are aligned with current industry-based certifications and test prep is included
TCH520: DATA STRUCTURES IN C++ 1	Tech Electives	TCH520 Data Structures in C++ 1 focuses on different ways to store data, beyond traditional variables and lists. In this course, students will learn about advanced data structures, such as queues, while applying them in larger, real-world assignments and projects. The Data Structures in C++ 1 course is designed for students that have previously completed a full year computer science course, such as AP CSA. While C++ is used as the language for the course, the focus of the course is on understanding and applying advanced data structures. Prior C++ knowledge is not a prerequisite; however, students should have a working knowledge of basic computer science concepts such as variables, control structures, and functions/methods in at least one programming language. The course utilizes a blended classroom approach. The content is fully web-based, with students writing and running code in the browser. Teachers utilize tools and resources provided by CodeHS to leverage time in the classroom and give focused 1-on-1 attention to students. Each unit of the course is broken down into lessons. Lessons consist of tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice and projects in total. Each unit ends with a comprehensive unit test that assesses a student's mastery of the material from that unit. Students write and run C++ programs in the browser using the CodeHS editor. Course Length: One semester

Course Name	Subject	Course Description
TCH521: DATA STRUCTURES IN C++ 2	Tech Electives	TCH521 Data Structures in C++ 2 focuses on different ways to store data, beyond traditional variables and lists. In this course, students will learn about advanced data structures such as maps, sets, etc. while applying them in larger, real-world assignments and projects. The Data Structures in C++ 2 course is designed for students that have previously completed Data Structures in C++ 1. The course utilizes a blended classroom approach. The content is fully web-based, with students writing and running code in the browser. Teachers utilize tools and resources provided by CodeHS to leverage time in the classroom and give focused 1-on-1 attention to students. Each unit of the course is broken down into lessons. Lessons consist of tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice and projects in total. Each unit ends with a comprehensive unit test that assesses a student's mastery of the material from that unit. Students write and run C++ programs in the browser using the CodeHS editor. Course Length: One semester
TCH500E2 A & B: AP COMPUTER SCIENCE PRINCIPLES	Tech Electives	TCH500 AP Computer Science Principles introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles gives students the opportunity 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. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, examples programs to explore, written programming exercises, free response exercise, collaborative creation projects, and research projects. Course Length: Two semesters Prerequisites: Algebra I, TCH220
TCH510E2 A & B: AP COMPUTER SCIENCE A	Tech Electives	TCH510 AP Computer Science introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implication of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. 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: Two semesters Prerequisites: Algebra I
AGR105: Agriscience 1: Introduction	Tech Ed Electives	The word “agriculture” often evokes images of farms, fields, and livestock, and while all of these representations are correct and essential, the field of Agriculture is so much more! In Agriscience I: Introduction, you’ll explore how Agri scientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving. Are you ready to explore the diverse careers in agriscience and how you can prepare to positively impact the planet? Let’s get growing! Course Length: One semester
ENG010: SUMMIT JOURNALISM	Tech Ed Electives	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

Course Name	Subject	Course Description
HST010: ANTHROPOLOGY	Tech Ed Electives	Anthropologists research the characteristics and origins of the cultural, social, and physical development of humans and consider why some cultures change and others come to an end. In this course, students are introduced to the five main branches of anthropology: physical, cultural, linguistic, social, and archeological. Through instruction and their own investigation and analysis, students explore these topics, considering their relationship to other social sciences such as history, geography, sociology, economics, political science, and psychology. Emulating professional anthropologists, students apply their knowledge and observational skills to the real-life study of cultures in the United States and around the world. The content in this course meets or exceeds the standards of the National Council for the Social Studies (NCSS). Course Length: One semester
HST020: PSYCHOLOGY	Tech Ed Electives	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
LAW110: CAREERS IN CRIMINAL JUSTICE 1	Tech Ed Electives	Have you ever wondered what steps take place as people move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Course Length: One semester
LAW111: CAREERS IN CRIMINAL JUSTICE 2	Tech Ed Electives	Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field. Course Length: One semester Prerequisite: LAW110
OTH091: LAW AND ORDER	Tech Ed Electives	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
OTH031: ARCHAEOLOGY	Tech Ed Electives	George Santayana once said, "Those who cannot remember the past are condemned to repeat it." The field of archaeology helps us better understand the events and societies of the past that have helped shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted as well as 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

Course Name	Subject	Course Description
OTH033: VETERINARY SCIENCE	Tech Ed Electives	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 inosine 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
OTH0171: CULINARY ARTS 1	Tech Ed Electives	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
OTH0172: CULINARY ARTS 2	Tech Ed Electives	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: OTH0171 Culinary Arts 1
SCI020: ASTRONOMY 1	Tech Ed Electives	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	Tech Ed Electives	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
HLT213: MEDICAL TERMINOLOGY 1	Health Science Electives	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	Health Science Electives	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 1
OTH092: HEALTH SCIENCES I	Health Science Electives	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

Course Name	Subject	Course Description
OTH094: HEALTH SCIENCES II	Health Science Electives	Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, students will learn more about what it takes to be a successful health science professional, including how to communicate with patients. You 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 Prerequisite: OTH092 Health Sciences I
OTH161 EARLY CHILDHOOD EDUCATION 1	Health Science Electives	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	Health Science Electives	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 needs. 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
ART010: SUMMIT FINE ART	Art Electives	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	Art Electives	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 semester
ART500: AP® ART HISTORY AP®	Art Electives	Art History is two semesters long with 180 days of instruction. Each lesson is designed as a 45-minute block of learning time. Every unit is planned to represent at least one ofthe10content 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 errand 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

Course Name	Subject	Course Description
ENG030: SUMMIT CREATIVE WRITING	Art Electives	In this course, students explore a range of creative writing genres, including fiction, poetry, creative nonfiction, drama, and multimedia writing. They study examples of 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
OTH036: GOTHIC LITERATURE	Art Electives	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 drives 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
OTH095: MYTHOLOGY AND FOLKLORE	Art Electives	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
ENG020: SUMMIT PUBLIC SPEAKING	Student Development Electives	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
OTH040: REACHING YOUR ACADEMIC POTENTIAL	Student Development Electives	Students learn essential academics kills 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	Student Development Electives	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
OTH080: SUMMIT NUTRITION AND WELLNESS (ELECTIVE)	Student Development Electives	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

Course Name	Subject	Course Description
ENG001: ENGLISH FOUNDATIONS I	Remediation Electives	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	Remediation Electives	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	Remediation Electives	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	Remediation Electives	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	Remediation Electives	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

Course Name	Subject	Course Description
ORN010: WELCOME TO ONLINE LEARNING	Orientation	The Online Learning: Middle and Highschool course is an introduction to the virtual learning environment for middle and high school students with information for Learning Coaches. Topics include an orientation to people and parts of an online school., the online school platform, opportunities for socializing, sample assessments, and tips about how to create an effective learning environment, manage time, and be successful. Each lesson has video tutorials, printable guides, and practice activities such as sending e-mail or creating schedules and backup plans. Veteran students and Learning Coaches share personal experiences and advice.
CAR003: Welcome to College Career Prep	Orientation	The Welcome Career Prep course is an introduction to the career prep program, curriculum, and features. The course includes an overview of career clusters, career and technical service organizations, and work-based learning. An orientation to project-based learning prepares students for completing coursework their career courses. Students also explore career learning collaboration tools such as Tallo, Nepris, and Microsoft Teams. Each lesson incorporates real experiences of past and present career learning students through video, text, and project samples.

COLLEGE AND CAREER PREP PROGRAM PATHWAY COURSES		
SUGGESTED FOR ALL PATHWAYS		
Course Name	**Subject**	**Course Description**
TCH100 Software Apps: PowerPoint with Cert Prep		TCH100 Software Apps: PowerPoint with Exam Prep is MSi curriculum that prepares students for the Microsoft Office Specialist Exam. This course introduces users to PowerPoint 2019 and covers: managing presentations, slides, text, shapes, and images, tables, charts, and SmartArt, 3D models and media, and transitions and animations. Students will learn basic terminology, modify slide masters and layouts, add/remove properties, set up slide shows and print options, use zoom techniques, add headers and footers, apply formatting and styles, insert hyperlinks and sections, resize and crop images, create shapes, insert audio/video clips, and set transition/animation effects and motion paths.
TCH105E2: 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
TCH110 Software Apps: Word with Cert Prep	Tech Electives	TCH110 Software Apps: Word with Exam Prep is MSi curriculum that prepares students for the Microsoft Office Specialist Exam. This course teaches learners how to use the Word Application Interface and familiarize themselves with Word options. It covers topics such as navigating and customizing the ribbon, editing documents, formatting text, managing comments, and tracking changes to create professional documents.
TCH 110A: Computer Science JavaScript I	Tech Electives	TCH110A Computer Science: JavaScript I is a CodeHS course that covers the first semester of the Introduction to Computer Science in JavaScript course series. In this course, students are introduced to the foundations of computer science and the basics of programming with the JavaScript language. After completing this course, students develop the skills needed to take the second-semester course in this series. Students learn material equivalent to a semester college introductory course in computer science and can program in JavaScript upon completing both course A and course B in this series.
TCH 110B: Computer Science JavaScript I	Tech Electives	TCH110B Computer Science: JavaScript I is a CodeHS course that covers the second semester of the Introduction to Computer Science in JavaScript course series. Concepts covered in the course include functions, animation, and games. Once students complete this course, they will have learned material equivalent to a semester college introductory course in computer science and be able to program in JavaScript.
TCH220: Software Apps Excel with Exam Prep	Tech Electives	TCH220 Software Apps: Excel with Exam Prep is MSi curriculum that prepares students for the Microsoft Office Specialist Exam. This course introduces students to the Excel application interface and covers topics related to managing worksheets and workbooks, data cells and ranges, tables and table data, formulas and functions, and charts. Students will learn how to import external data, create, and edit named ranges, apply number formats, create charts, and format text using functions. They will also learn to add and modify chart elements and apply chart styles. Upon completion of this course, students will be able to navigate the Excel application interface, create formulas, manipulate data, and create charts
WL531 Work Experience	Tech Electives	This course seeks to help students blend classroom learning with work practice. This course is designed for students who currently have a job that has been identified as eligible for course credit. Pre-requisite: SCP Coordinator MUST approve student enrollment.

WBL 541 Student-Led Business	Tech Electives	This course seeks to help students blend classroom learning with work practice. By enrolling in this course, students will earn credit for their business development experience. Additional resources to support students' business may be provided through this course. This course is designed for students who have started their own business or have developed a business plan to start their own business. Pre-requisite: SCP Coordinator MUST approve student enrollment.
BUSINESS: GENERAL MANAGEMENT PATHWAY		
Course Name	**Subject**	**Course Description**
CAR017E3-PBL: BUSINESS AND MARKETING EXPLORATIONS	General Mgmt.	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
BUS130-PBL: INTRODUCTION TO BUSINESS INFORMATION MANAGEMENT	General Mgmt.	Do you dream of owning your own business someday, or working for a company in a leadership position? Whenever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you are on the path to success. Let us explore your passion for business in this course! Course Length: One semester
BUS140-PBL BUSINESS INFORMATION MANAGEMENT: DATA ESSENTIALS	General Mgmt.	This course is a Project Based Learning course (PBL). Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheet, databases, and presentation software are also explored so that you become better prepared for jobs in this field. Course Length: One semester Prerequisite: CAR017 Business and Marketing Explorations. TCH105 Computer Literacy.
BUS310-PBL: INTRODUCTION TO MANAGEMENT 1	General Mgmt.	This course is a Project Based Learning course (PBL). From the shift managers at small business to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management. Course Length: One semester Prerequisite: BUS 140-PBL Business info Mgmt.: Data Essentials
BUS311-PBL: MANAGEMENT: INSIGHT & OVERSIGHT	General Mgmt.	Every business and company need management of some type. But what skills must you master in order to become an effective professional? Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field. Course Length: One semester
BUS320-PBL: INTRODUCTION TO BUSINESS LAW	General Mgmt.	Whether you plan on starting your own business or being in charge of one, its crucial you understand how to keep the company complaint. Explore what it means to run an ethical business, how to keep intellectual property, technology, and e-commerce safe and protected, understand insurance and taxes, and how to have a healthy workplace environment. Keep the business safe and growing by following the law. Course Length: One semester Prerequisite: BUS311 Management Data and Essentials or BUS114 Accounting 2.

Course Name	Subject	Course Description
BUS340-PBL: BUSINESS LAW: LEGAL ASPECTS OF BUSINESS	General Mgmt.	This course is a Project Based Learning course (PBL). Whether you plan to start your own business, work for an organization, or go into law, it's essential to understand more complex legal requirements that impact business operations and decisions. This is especially true as companies grow and expand domestically and internationally. Explore the differences between criminal and civil law. Examine how state and federal regulations work to protect consumer and employees' rights, protect society and the environment, and understand how business contracts can work to protect everyone. Course Length: One semester Prerequisite: BUS320 Introduction to Business Law.
BUS024: PRINCIPLES OF BUS MARKETING & FINANCE 1	Optional	Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility. Course Length: One semester
BUS025: PRINCIPLES OF BUS MARKETING & FINANCE 2	Optional	Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job! Course Length: One semester Prerequisite: BUS024
BUS030: SUMMIT PERSONAL FINANCE	Optional	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
BUS080: INTERNATIONAL BUSINESS	Optional	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 with a conceptual tool by which to understand how economic, social, cultural, political, and legal factors influence both domestic and cross-border business. Students explore business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations. They also cultivate studies, research skills, and continuing education are important in twenty-first-century business activities. Course Length: One semester

BUSINESS: ENTREPRENEURSHIP PATHWAY		
CAR017E3-PBL: BUSINESS AND MARKETING EXPLORATIONS	Entrepreneurship	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
BUS045-PBL: ENTREPRENEURSHIP 1	Entrepreneurship	This course is a Project Based Learning course (PBL). In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own moneymaking 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 develop new business ideas, attract investors, market their business, and manage expenses. Course Length: One semester
BUS055-PBL: ENTREPRENEURSHIP 2	Entrepreneurship	Students build on the business concepts they learned in Entrepreneurship I. Students continue to explore the different functions of business, while refining their technology and communication skills in speaking, writing, networking, negotiating, and listening. The purpose of this course is to prepare students to launch a small business venture. Course Length: One semester Prerequisite: BUS045
BUS130-PBL: INTRODUCTION TO BUSINESS INFORMATION MANAGEMENT	Entrepreneurship	Do you dream of owning your own business someday, or working for a company in a leadership position? Whenever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you are on the path to success. Let's explore your passion for business in this course! Course Length: One semester
BUS140-PBL BUSINESS INFORMATION MANAGEMENT: DATA ESSENTIALS	Entrepreneurship	This course is Project Based Learning course (PBL). Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheet, databases, and presentation software are also explored so that you become better prepared for jobs in this field. Course Length: One semester Prerequisite: CAR017 Business and Marketing Explorations. TCH105 Computer Literacy.
BUS430: BUSINESS OWNERSHIP 1	Entrepreneurship	Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality? Let's get goaling! Course Length: One semester
BUS 431: BUSINESS OWNERSHIP 2	Entrepreneurship	You've defined your business and made a plan to launch your vision, and now, it's time to turn that business into a well-oiled machine! In this course, you'll familiarize yourself with tried-and-true strategies for success! You'll distinguish market segments, develop the appropriate market mix, brand your business, create a top-notch customer service environment, and calculate financial factors for the crucial first year- and every year after! Owning a booming business doesn't happen by accident. Let's learn what it takes and execute on the essentials to turn your business vision into a reputable reality! Course Length: One semester Prerequisite: BUS430

Course Name	Subject	Course Description
BUS030: SUMMIT PERSONAL FINANCE	Optional	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	Optional	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	Optional	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
BUS310-PBL: INTRODUCTION TO MANAGEMENT 1	Optional	BUS310-PBL: INTRODUCTION TO MANAGEMENT 1 This course is a Project Based Learning course (PBL). From the shift managers at small business to the CEOs of large companies, effective management is key to any organization's success. Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. Get started with learning the fundamentals of successful management. Course Length: One semester Prerequisite: BUS 140-PBL Business info Mgmt.: Data Essentials
BUS311-PBL: MANAGEMENT: INSIGHT & OVERISGHT	Optional	Every business and company need management of some type. But what skills must you master in order to become an effective professional? Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field. Course Length: One semester
MARKETING: MARKETING COMMUNICATIONS PATHWAY		
CAR017E3-PBL: BUSINESS AND MARKETING EXPLORATIONS	Marketing	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	Marketing	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

Course Name	Subject	Course Description
BUS075-PBL: MARKETING 2	Marketing	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 entrepreneurs 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
BUS130-PBL: INTRODUCTION TO BUSINESS INFORMATION MANAGEMENT	Marketing	Do you dream of owning your own business someday, or working for a company in a leadership position? Whenever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you are on the path to success. Let's explore your passion for business in this course! Course Length: One semester
BUS140-PBL BUSINESS INFORMATION MANAGEMENT: DATA ESSENTIALS	Marketing	This course is a Project Based Learning course (PBL). Now that you have the basics of business down from the previous course, it's time to become better acquainted with the application of information management in business. Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheet, databases, and presentation software are also explored so that you become better prepared for jobs in this field. Course Length: One semester Prerequisite: CAR017 Business and Marketing Explorations. TCH105 Computer Literacy.
BUS410-PBL: INTRO TO BUSINESS COMMUNICATION	Marketing	This course is a Project-Based Learning course (PBL). No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer. Course Length: One semester
BUS 420: BUSINESS COMMUNICATIONS 2	Marketing	You've learned your audience, found your voice, and can read the body's unspoken words. Now, it's time to limber up those fingers and learn the P's and Q's of communicating in a business setting. In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing! Course Length: One semester Prerequisite: BUS410
BUS090: SPORTS AND ENTERTAINMAENT MARKETING 1	Marketing	The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds! Course Length: One semester

Course Name	Subject	Course Description
BUS091: SPORTS AND ENTERTAINMAENT MARKETING 2	Marketing	"Five, four, three, two, one—rest." You've learned what it looks like to work one-on-one with clients as a sports medicine professional, and now it's time to focus on the group. In this course, you will be introduced to teaching group exercise classes and providing rehabilitation services to clients facing injury and disease. You will also learn about laws that govern the work of sports medicine professionals, business concerns like insurance and staffing, and what you need to consider if you start your own fitness facility. It looks like it's time for the next set! Let's get started!
BUS024: PRINCIPLES OF BUS MARKETING & FINANCE 1	Optional	Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility. Course Length: One semester.
BUS025: PRINCIPLES OF BUS MARKETING & FINANCE 2	Optional	Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job! Course Length: One semester Prerequisite: BUS024
INFORMATION TECHNOLOGY: WEB & DIGITAL COMMUNICATIONS		
CAR095E2-PBL: IT EXPLORATIONS	Web & Digital Comm	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
TCH047-PBL WEB DESIGN	Web & Digital Comm	The TCH047-PBL Web Design course is a project-based 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, as well as foundational cybersecurity topics including digital citizenship and cyber hygiene, software security, networking fundamentals, and basic system administration. Course Length: Two semesters
TCH0310DE1 Digital Media: Photoshop with Exam Prep	Web & Digital Comm	TCH310 Digital Media: Photoshop with Exam Prep is MSi curriculum that prepares students for the Adobe Certified Professional Exam. The course covers the fundamentals of working in the design industry. It will familiarize students with the key terminology related to digital images, introduce them to the purpose, audience, and needs of preparing images, and teach them basic design principles and best practices. The course will also cover project setup and interface, document organization, creating and modifying visual elements, and publishing digital media. Students will be exposed to using layers, modifiable visibility, and nonprinting design tools; importing assets; managing colors, swatches, gradients, brushes, symbols, styles, and patterns, understanding destructive and nondestructive editing; and preparing images for export.

Course Name	Subject	Course Description
TCH330DE1 Digital Media: Illustrator with Exam Prep	Web & Digital Comm	o Moore Solutions offers turnkey solutions designed to meet the needs of educators and students across a variety of education environments. o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. o All courses are aligned with current industry-based certifications and test prep is included
TCH370: WEB DEVELOPMENT	Web & Digital Comm	The Web Development Capstone Course is intended to teach students the fundamentals of development in a project-based learning environment. Students will be taught the basic elements of web development, such as web hosting, file organization, and incorporating JavaScript into HTML files. Over the course of the school will collaboratively and independently design, develop and implement functional and responsive webpages using these foundational skills. Course Length: Two semesters
TCH240: VIRTUAL REALITY	Optional	TCH240 Virtual Reality is a Code HS course that teaches students the basics of building virtual reality worlds using HTML and the A-Frame JavaScript Library. Through this course, students will build their own virtual reality worlds that are compatible with VR devices, including smartphone VR headsets. Every lesson is made up of short video tutorials, example programs, quizzes, programming exercises, challenge problems, and unit tests. Course Length: One semester
TCH310: MOBILE APPS	Optional	TCH310 Mobile App is a CodeHS course that teaches students to create mobile apps using React Native, a popular platform-agnostic framework developed by Facebook and used by successful tech companies including Airbnb, Facebook, Instagram, Tesla, and more. Students will design and build applications to run smartphones and will use the latest tools and technologies available for mobile app development. 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. Included in each lesson is a formative short multiple-choice quiz. Course Length: One semester
INFORMATION TECHNOLOGY: PROGRAMMING & SOFTWARE DEVELOPMENT		
CAR095E2-PBL: IT EXPLORATIONS	Programming & Software Devel.	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

Course Name	Subject	Course Description
TCH220-PBL: COMPUTER SCIENCE PRINCIPLES	Programming & Software Devel.	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
TCH323A: INTRODUCTION TO JAVA PROGRAMMING 1	Programming & Software Devel.	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
TCH323B: INTRODUCTION TO JAVA PROGRAMMING 2	Programming & Software Devel.	TCH324 Introduction to Java Programming 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: TCH323AE2 Introduction to Java 1
TCH342E2: PYTHON PROGRAMMING	Programming & Software Devel.	TCH342 Python Programming 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. 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: Two semesters
TCH380D Computer Fundamentals	Programming & Software Devel.	This course addresses basic IT literacy and ensures students understand the different terminology and key concepts used in the IT industry. It also serves as an entry point for students who are new to computers. Topics covered include operating systems, hardware basics, troubleshooting, software installation, security, networking, and databases. This course prepares students for the CompTIA IT Fundamentals+ Certification (FC0-U61) exam.

Course Name	Subject	Course Description
TCH520 DATA STRUCTURES IN C_++ 1	Programming & Software Devel.	TCH520 Data Structures in C++ 1 focuses on different ways to store data, beyond traditional variables and lists. In this course, students will learn about advanced data structures, such as queues, while applying them in larger, real-world assignments and projects. The Data Structures in C++ 1 course is designed for students that have previously completed a full year computer science course, such as AP CSA. While C++ is used as the language for the course, the focus of the courses is on understanding and applying advanced data structures. Prior C++ knowledge is not a prerequisite; however, students should have a working knowledge of basic computer science concepts such as variables, control structures, and functions/methods in at least one programming language. The course utilizes a blended classroom approach. The content is fully web-based, with students writing and running code in the browser. Teachers utilize tools and resources provided by CodeHS to leverage time in the classroom and give focused 1-on-1 attention to students. Each unit of the course is broken down into lessons. Lessons consist of tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice and projects in total. Each unit ends with a comprehensive unit test that assesses a student's mastery of the material from that unit. Students write and run C++ programs in the browser using the CodeHS editor. Course Length: One semester
TCH521 DATA STRUCTURES IN C++ 2	Programming & Software Devel.	TCH521 Data Structures in C++ 2 focuses on different ways to store data, beyond traditional variables and lists. In this course, students will learn about advanced data structures such as maps, sets, etc. while applying them in larger, real-world assignments and projects. The Data Structures in C++ 2 course is designed for students that have previously completed Data Structures in C++ 1. The course utilizes a blended classroom approach. The content is fully web-based, with students writing and running code in the browser. Teachers utilize tools and resources provided by CodeHS to leverage time in the classroom and give focused 1-on-1 attention to students. Each unit of the course is broken down into lessons. Lessons consist of tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice and projects in total. Each unit ends with a comprehensive unit test that assesses a student's mastery of the material from that unit. Students write and run C++ programs in the browser using the CodeHS editor. Course Length: One semester
TCH027: GREEN DESIGN AND TECHNOLOGY	Optional	This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today’s businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field. Course Length: One semester
TCH240: VIRTUAL REALITY	Optional	TCH240 Virtual Reality is a Code HS course that teaches students the basics of building virtual reality worlds using HTML and the A-Frame JavaScript Library. Through this course, students will build their own virtual reality worlds that are compatible with VR devices, including smartphone VR headsets. Every lesson is made up of short video tutorials, example programs, quizzes, programming exercises, challenge problems, and unit tests. Course Length: One semester

Course Name	Subject	Course Description
TCH310: MOBILE APPS	Optional	TCH310 Mobile App is a CodeHS course that teaches students to create mobile apps using React Native, a popular platform-agnostic framework developed by Facebook and used by successful tech companies including Airbnb, Facebook, Instagram, Tesla, and more. Students will design and build applications to run smartphones and will use the latest tools and technologies available for mobile app development. 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. Included in each lesson is a formative short multiple-choice quiz. Course Length: One semester
TCH500E2 A & B: AP COMPUTER SCIENCE PRINCIPLES	Optional	TCH500 AP Computer Science Principles introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles gives students the opportunity 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. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, examples programs to explore, written programming exercises, free response exercise, collaborative creation projects, and research projects. Course Length: Two semesters Prerequisites: Algebra I, TCH220
TCH510E2 A & B: AP COMPUTER SCIENCE A	Optional	TCH510 AP Computer Science introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implication of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. 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: Two semesters Prerequisites: Algebra I
INFORMATION TECHNOLOGY: GAME DESIGN & PROGRAMMING		
CAR095E2-PBL: IT EXPLORATIONS	Game Design & Programming	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
TCH073E2-PBL VIDEO GAME DESIGN 1&2	Game Design & Programming	The CodeHS video game design curriculum teaches the foundations of creating video games in JavaScript. The course utilizes a project-based learning approach. The content is fully web-based, with students writing and running code in the browser. 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. Students write and run JavaScript programs in the browser using the CodeHS editor. Course Length: Two semesters Prerequisite: This course is designed for beginners with no previous background in computer science but does teach advanced topics. The course is highly visual, dynamic, and interactive, making it engaging for new coders.
TCH220-PBL: COMPUTER SCIENCE PRINCIPLES	Game Design & Programming	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

Course Name	Subject	Course Description
TCH0310DE1 Digital Media: Photoshop with Exam Prep	Game Design & Programming	TCH310 Digital Media: Photoshop with Exam Prep is MSi curriculum that prepares students for the Adobe Certified Professional Exam. The course covers the fundamentals of working in the design industry. It will familiarize students with the key terminology related to digital images, introduce them to the purpose, audience, and needs of preparing images, and teach them basic design principles and best practices. The course will also cover project setup and interface, document organization, creating and modifying visual elements, and publishing digital media. Students will be exposed to using layers, modifiable visibility, and nonprinting design tools; importing assets; managing colors, swatches, gradients, brushes, symbols, styles, and patterns, understanding destructive and nondestructive editing; and preparing images for export.
TCH330DE1 Digital Media: Illustrator with Exam Prep	Game Design & Programming	o Moore Solutions offers turnkey solutions designed to meet the needs of educators and students across a variety of education environments. o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. o All courses are aligned with current industry-based certifications and test prep is included.
TCH342E2: PYTHON PROGRAMMING	Game Design & Programming	TCH342 Python Programming 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. 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: Two semesters
TCH380D Computer Fundamentals	Game Design & Programming	This course addresses basic IT literacy and ensures students understand the different terminology and key concepts used in the IT industry. It also serves as an entry point for students who are new to computers. Topics covered include operating systems, hardware basics, troubleshooting, software installation, security, networking, and databases. This course prepares students for the CompTIA IT Fundamentals+ Certification (FC0-U61) exam.
TCH027: GREEN DESIGN AND TECHNOLOGY	Optional	This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field. Course Length: One semester
TCH240: VIRTUAL REALITY	Optional	TCH240 Virtual Reality is a Code HS course that teaches students the basics of building virtual reality worlds using HTML and the A-Frame JavaScript Library. Through this course, students will build their own virtual reality worlds that are compatible with VR devices, including smartphone VR headsets. Every lesson is made up of short video tutorials, example programs, quizzes, programming exercises, challenge problems, and unit tests. Course Length: One semester

Course Name	Subject	Course Description
TCH310: MOBILE APPS	Optional	TCH310 Mobile App is a CodeHS course that teaches students to create mobile apps using React Native, a popular platform-agnostic framework developed by Facebook and used by successful tech companies including Airbnb, Facebook, Instagram, Tesla, and more. Students will design and build applications to run smartphones and will use the latest tools and technologies available for mobile app development. 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. Included in each lesson is a formative short multiple-choice quiz. Course Length: One semester
TCH500E2 A & B: AP COMPUTER SCIENCE PRINCIPLES	Optional	TCH500 AP Computer Science Principles introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles gives students the opportunity 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. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, examples programs to explore, written programming exercises, free response exercise, collaborative creation projects, and research projects. Course Length: Two semesters Prerequisites: Algebra I, TCH220
TCH510E2 A & B: AP COMPUTER SCIENCE A	Optional	TCH510 AP Computer Science introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implication of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. 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: Two semesters Prerequisites: Algebra I
INFORMATION TECHNOLOGY: NETWORK SYSTEMS & CYBERSECURITY		
CAR095E2-PBL: IT EXPLORATIONS	Cybersecurity	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
TCH055DE3-PBL Web Communications	Cybersecurity	This semester-long course for high school freshmen is an exploratory course in web communications. It explores and delves into applications encompassing digital citizenship, information literacy, creative credit and copyright, online and in-person collaboration, designing and developing accessible websites as an avenue to personal creativity, and understanding structural aspects of computing (e.g., hardware, servers, devices, file organization). The course is taught utilizing a project-based learning (PBL) approach. 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 Name	Subject	Course Description
TCH380D Computer Fundamentals	Cybersecurity	This course addresses basic IT literacy and ensures students understand the different terminology and key concepts used in the IT industry. It also serves as an entry point for students who are new to computers. Topics covered include operating systems, hardware basics, troubleshooting, software installation, security, networking, and databases. This course prepares students for the CompTIA IT Fundamentals+ Certification (FC0-U61) exam.
TCH541E4 Network+ Guide to Networks 1	Cybersecurity	This is the first semester of a two-semester course. The course gives students the technical skills and industry know-how to begin an exciting career installing, configuring, and troubleshooting computer networks. The course helps prepare students for success on CompTIA's Network+ N10-008 certification exam with fully mapped coverage of all objectives, including protocols, topologies, hardware, network design, and troubleshooting.
TCH542E4 Network+ Guide to Networks 2	Cybersecurity	This is the second semester of a two-semester course. The course continues to give students the technical skills and industry know-how to begin an exciting career installing, configuring, and troubleshooting computer networks. The course helps prepare students for success on CompTIA's Network+ N10-008 certification exam with fully mapped coverage of all objectives, including protocols, topologies, hardware, network design, and troubleshooting.
TCH551E3 Security+ with Exam Prep 1	Cybersecurity	This course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography, mobile device security, and virtualization. The use of case studies allows students to explore real-world security scenarios and allow students to apply what they have learned.
TCH552E3 Security+ with Exam Prep 2	Cybersecurity	This course covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography, mobile device security, and virtualization. The use of case studies allows students to explore real-world security scenarios and allow students to apply what they have learned.
TCH561E3 A+ Computer Management with Exam Prep 1	Cybersecurity	This is the first semester of a two-semester course. The course provides a comprehensive introduction to managing and maintaining computer hardware and software. The course closely integrates the CompTIA A+ Exam objectives to prepare students for the 220-1101 and 220-1102 certification exams. The course includes the latest trends in hardware, security, virtualization, coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices.
TCH562E3 A+ Computer Management with Exam Prep 2	Cybersecurity	This is a continuation of semester one. The course closely integrates the CompTIA A+ Exam objectives to prepare students for the 220-1101 and 220-1102 certification exams. The course includes the latest trends in hardware, security, virtualization, coverage of cloud computing, Linux and Mac OS, and increased emphasis on mobile devices. Pre-Requisite: TCH561
TCH500E2 A & B: AP COMPUTER SCIENCE PRINCIPLES	Optional	TCH500 AP Computer Science Principles introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles gives students the opportunity 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. Each unit of the course is broken down into lessons. Lessons consist of video tutorials, short quizzes, examples programs to explore, written programming exercises, free response exercise, collaborative creation projects, and research projects. Course Length: Two semesters Prerequisites: Algebra I, TCH220

Course Name	Subject	Course Description
TCH510E2 A & B: AP COMPUTER SCIENCE A	Optional	TCH510 AP Computer Science introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implication of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. 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: Two semesters Prerequisites: Algebra I
ARTS, AV, COMMUNICATIONS: VISUAL ARTS		
CAR015-PBL Arts, AV, Communications Explorations	Visual Arts	This course is a Project Based Learning course (PBL). This course is designed as an exploration of the arts, audio/video technology, and communications pathways. Students will get an introduction to arts, audio/video technology, and communications careers so that they can better assess which pathway to pursue. In this course students explore basic concepts in the broad areas of art, audio/video technology, and communication, as well as career options in each area. Students study the concepts of technology skills, audio/video technology, communications, art appreciation, visual and performing arts, journalism and broadcasting, and telecommunications. Students complete projects to develop a deeper understanding of the essential skills and knowledge required for a career in arts, audio/video, or communications.
TCH028: DIGITAL ARTS I	Visual Arts	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
TCH029: DIGITAL ARTS II	Visual Arts	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
TCH035: IMAGE DESIGN & EDITING	Visual Arts	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 port 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 reattended images of their own. Course Length: One semester
TCH076: 3D MODELING 1	Visual Arts	Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, and in this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods. By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas. 3D modeling is an essential part of the modern world and soon, you'll be able to contribute yourself! Course Length: One semester

Course Name	Subject	Course Description
TCH077: 3D MODELING 2	Visual Arts	Many buildings that are rendered in the real world first are constructed in a digital 3D world that depicts the aesthetics, environment, and conditions of what will come to be. In this course, you will be introduced to the tools and techniques needed to create works of 3D art. You will bring your objects to life with color, textures, lighting, and shadow all while simulating the movement of world around. Are you ready to bring beautiful objects to life in a 3D world? Let's get started today! Course Length: One semester Prerequisite: TCH076
TCH0310DE1 Digital Media: Photoshop with Exam Prep	Visual Arts	TCH310 Digital Media: Photoshop with Exam Prep is MSi curriculum that prepares students for the Adobe Certified Professional Exam. The course covers the fundamentals of working in the design industry. It will familiarize students with the key terminology related to digital images, introduce them to the purpose, audience, and needs of preparing images, and teach them basic design principles and best practices. The course will also cover project setup and interface, document organization, creating and modifying visual elements, and publishing digital media. Students will be exposed to using layers, modifiable visibility, and nonprinting design tools; importing assets; managing colors, swatches, gradients, brushes, symbols, styles, and patterns, understanding destructive and nondestructive editing; and preparing images for export.
TCH330DE1 Digital Media: Illustrator with Exam Prep	Visual Arts	o Moore Solutions offers turnkey solutions designed to meet the needs of educators and students across a variety of education environments. o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. o All courses are aligned with current industry-based certifications and test prep is included
TCH430E1 Digital Media: Animate with Exam Prep	Visual Arts	o Moore Solutions offers turnkey solutions designed to meet the needs of educators and students across a variety of education environments. o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. o Instructor resources are provided including scope and sequence and a pacing guide. o All courses are aligned with current industry-based certifications and test prep is included
TCH031E2: DIGITAL PHOTOGRAPHY I	Optional	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
TCH032E2: DIGITAL PHOTOGRAPHY II	Optional	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 1

MANUFACTURING & TRADES: ENGINEERING TECHNOLOGY		
Course Name	**Subject**	**Course Description**
CAR031 ENGINEERING EXPLORATIONS	Engineering	This course guides students through an investigation of engineering careers. Students are introduced to the basics of engineering, learn how to turn problems into ideas, and develop a basic understanding of civil, mechanical, chemical, and biological engineering. Course Length: One semester
MFG 240: APPLIED ENGINEERING 1: INTRODUCTION	Engineering	Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work. Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world! Course Length: One semester
MFG250: APPLIED ENGINEERING 2: SOLVING PROBLEMS	Engineering	Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations. Course Length: One semester Prerequisite: Engineering Fundamentals 1
TCH160: INTRODUCTION TO ROBOTICS	Engineering	Are you fascinated with how machines work? Robots are machines, and they are all around us, from helping doctors in surgeries to helping to keep our homes clean. Explore the physics, mechanics, motion, and the engineering design and construction aspects used to develop robots. Learn how models are created through both sketches and software. Discover STEM careers and the education needed to enter this high demand field. Course Length: One semester
TCH162: INTRODUCTION TO ROBOTICS 2	Engineering	The robots have invaded… and they're here to make our lives easier. You've learned about the basics of robotics and STEM careers, but now we're going to learn about manipulating the physical world to create desired effects. In this course, you'll learn to manipulate electrical signals to create logic and memory, how to quantify the physical world through variables, and how to have an impact through tools. You'll discover how to choose the best tools and materials, how to create AI, and how to take an idea from initial planning to a completed project. Let's continue the pursuit of a career in robotics so the friendly invasion can thrive! Course Length: One semester Prerequisite: TCH160
OTH212-ENGINEERING DRAWING AND DESIGN 1	Engineering	In this course students learn about actual product design through all phases, from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and learn management methods to identify the causes of defects, remove them, and minimize manufacturing variables. Course Length: One semester Software Requirements: AutoCAD Design Center for working with provided CADD templates.
OTH213- ENGINEERING DRAWING AND DESIGN 2	Engineering	This second semester of Engineering Drawing and Design. In this course students continue their study of learning about actual product design through all phases, from concept through manufacturing, marketing, and distribution. Students learn how engineering design practices improve output quality and also learn management methods to identify the causes of defects, remove them, and minimize manufacturing variables. Course Length: One semester Prerequisite: OTH212 Software Requirements: AutoCAD Design Center for working with provided CADD templates.

Course Name	Subject	Course Description
OTH211- INTRODUCTION TO MECHANICAL ENGINEERING	Optional	This course introduces students to the field of mechanical engineering and helps them develop an appreciation for how engineers design hardware that builds and improves societies around the world. The course covers topics such as technical problem-solving skills, design, engineering analysis, and modern technology to provide a solid mechanical engineering foundation student need for future success in the field. Course Length: One semester Prerequisite: OTH212/213
TCH027: GREEN DESIGN AND TECHNOLOGY	Optional	This course examines the impact of human activities on sustainability while exploring the basic principles and technologies that support sustainable design. Students learn about the potential for emerging energy technologies such as water, wind, and solar power. They find out how today's businesses are adapting to the increased demand for sustainable products and services. In this course, students develop a comprehensive understanding of this fast-growing field. Course Length: One semester
HEALTH SCIENCE: INFORMATICS PATHWAY		
CAR019E4: PBL HEALTHCARE EXPLORATIONS	Informatics	This course is a Project Based Learning course (PBL) and is designed as an exploration of career pathways in healthcare. In this course students study the concepts of public service, effective communication, planning for emergencies, legal issues in health care, and career options in addition to other common related functions. Students complete projects to develop a deeper understanding of the roles these career functions play. Course Length: One semester
HLT110E2: PBL HEALTH SCIENCES WITH NEWSELA	Informatics	This course is a Project Based Learning course (PBL) and is designed as an exploration of the health sciences. In this course students explore basic concepts in health for the people, tackling sports injuries, emergency response, and cancer education, as well as career options in various clusters. Students completed project to develop a deeper understanding of the roles these career functions play. Course Length: One semester
HLT340: PROFESSIONALISM IN ALLIED HEALTH	Informatics	Professionalism in Allied Heath is a comprehensive course with insight and focus on professional skills, providing foundational knowledge required of an allied healthcare professional. Video-based lessons include managing work expectations and patient interactions, managing emotions, work relationships and patient interactions, successful interactions and professional communications, and professional behavior for allied health careers. Course Length: One semester
SCI340: INTRODUCTION TO ANATOMY & MEDICAL TERMINOLOGY	Informatics	This course is designed to familiarize the student with the language of medicine, through the study of prefixes, suffixes, root words, abbreviation, and pronunciation of words. The curriculum also includes an overview of anatomy and physiology in order to increase the understanding of medical vocabulary. Students will examine the organization of the integumentary, musculoskeletal, hematic, lymphatic and immune, and cardiovascular systems in the human body. They will become familiar with the medical terms that relate to the respiratory, digestive, nervous, endocrine, reproductive, and excretory systems. Students will also examine terms related to the sensory organs, with a concentration on the organs for hearing, sight, and smell. This course will prepare students to better understand spoken and written interactions in all medical environments. Course Length: Two semesters
	or HLT 213, HLT214, SCI330	
HLT213: MEDICAL TERMINOLOGY 1	Informatics	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

Course Name	Subject	Course Description
HLT214: MEDICAL TERMINOLOGY 2	Informatics	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	Informatics	Starting with the relationship between anatomy and physiology, students will then learn about cell structure and their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well diseases that affect those systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine 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 technology used in the industry. Course Length: Two semesters
HLT330: MEDICAL OFFICE PROCEDURES AND ADMIN	Informatics	This course will introduce students to the Healthcare industry, its environment along with the day-to-day skill set, and knowledge required to fulfill a position as a Medical Administrative Assistant. Modules include Professional Behavior, Communication, Law and Ethics, Law and Medicine, Daily Operations, Telephone Techniques, Appointment Scheduling, Correspondence, Computers, HIPPA, Regulations, Records Management, Information Management, Basics of Coding, Health Insurance Basics, Professional Fees, Accounting and Bookkeeping, Banking and Financial Management, Practice Management, Marketing and Customer Service. Course Length: One semester
HLT440: Insurance Billing and Coding	Informatics	This course covers the skill set and knowledge required to fulfill a position as an Insurance Billing Specialist. This will include an introduction to diagnosis coding (ICD-9 and ICD-10), procedure coding (CPT and HCPCS), billing and reimbursement processes and understanding insurance companies; as well as Medical Insurance Billing as a Career, HIPPA & HITECH, Health Insurance basics, Medical Record Documentation, Electronic Data Exchange, Claim Reimbursement, Fees, BCBS, Managed Care, Private Insurance, Medicare, Medicaid, Tricare, CHAMPVA, Workers Compensation, and Disability Income Insurance. Course Length: One semester
HLT441: Electronic Health Records	Informatics	This course provides students with the skills and certifications for the development and maintenance of electronic health records in both facility and private practice environments. Upon completion of this course, students will be qualified to sit for the CEHRS, and will have gained the knowledge required to perform a variety of office functions necessary in the digital/electronic age. Students are introduced to and are provided training and practical application of skills in a variety of areas related to Electronic Health Records. Ethical, legal, and regulatory requirements will be covered along with training in the hands-on Electronic Health Record software. Students will also receive comprehensive training in the areas of Professional Fees, Billing, and Collecting, the Health Insurance Claim Form, Third-Party Reimbursement, Banking Services and Procedures, Health Information Management, Computers in the Medical Office, Medical Records. Course Length: One semester
TCH220-PBL: COMPUTER SCIENCE PRINCIPLES	Informatics	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

Course Name	Subject	Course Description
TCH342E2: PYTHON PROGRAMMING	Optional	TCH342 Python Programming 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. 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: Two semesters
HEALTH SCIENCE: THERAPEUTICS PATHWAY		
CAR019E4: PBL HEALTHCARE EXPLORATIONS	Therapeutics	This course is a Project Based Learning course (PBL) and is designed as an exploration of career pathways in healthcare. In this course students study the concepts of public service, effective communication, planning for emergencies, legal issues in health care, and career options in addition to other common related functions. Students complete projects to develop a deeper understanding of the roles these career functions play. Course Length: One semester
HLT110E2: PBL HEALTH SCIENCES WITH NEWSELA	Therapeutics	This course is a Project Based Learning course (PBL) and is designed as an exploration of the health sciences. In this course students explore basic concepts in health for the people, tackling sports injuries, emergency response, and cancer education, as well as career options in various clusters. Students completed project to develop a deeper understanding of the roles these career functions play. Course Length: One semester
HLT340: PROFESSIONALISM IN ALLIED HEALTH	Therapeutics	Professionalism in Allied Heath is a comprehensive course with insight and focus on professional skills, providing foundational knowledge required of an allied healthcare professional. Video-based lessons include managing work expectations and patient interactions, managing emotions, work relationships and patient interactions, successful interactions and professional communications, and professional behavior for allied health careers. Course Length: One semester
SCI340: INTRODUCTION TO ANATOMY & MEDICAL TERMINOLOGY	Therapeutics	This course is designed to familiarize the student with the language of medicine, through the study of prefixes, suffixes, root words, abbreviation, and pronunciation of words. The curriculum also includes an overview of anatomy and physiology in order to increase the understanding of medical vocabulary. Students will examine the organization of the integumentary, musculoskeletal, hematic, lymphatic and immune, and cardiovascular systems in the human body. They will become familiar with the medical terms that relate to the respiratory, digestive, nervous, endocrine, reproductive, and excretory systems. Students will also examine terms related to the sensory organs, with a concentration on the organs for hearing, sight, and smell. This course will prepare students to better understand spoken and written interactions in all medical environments. Course Length: Two semesters
	or HLT 213, HLT214, SCI330	
HLT213: MEDICAL TERMINOLOGY 1	Therapeutics	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

Course Name	Subject	Course Description
HLT214: MEDICAL TERMINOLOGY 2	Therapeutics	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	Therapeutics	Starting with the relationship between anatomy and physiology, students will then learn about cell structure and their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well diseases that affect those systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine 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 technology used in the industry. Course Length: Two semesters
HTL420: CLINICAL MEDICAL ASSISTING	Therapeutics	Clinical Medical Assisting is a comprehensive course with insight and focus on patient care in the healthcare facility, providing foundational knowledge required of an allied healthcare professional. Video-based lessons include fundamentals of clinical medical assisting with emphasis on infection control, vital signs, the clinical laboratory, general and specialty physical examinations, urinalysis, microbiology, immunology, nutrition, cardiopulmonary diagnostic testing, pharmacology, medication administration, phlebotomy, hematology, surgical procedure assisting and emergency preparedness. Topics related to diversity, patient interaction, documentation and communication will be addressed. Throughout each lesson, the role of the clinical medical assistant will be presented and explained as applicable to patient education and legal & ethical issues. Course Length: Two semesters
HTL431: PHARMACY TECHNICAN	Therapeutics	The Pharmacy Technician course is designed to educate and train the student in the diverse field of Pharmacy Technology. The student will be provided didactic coursework in the areas of prescription processing, pharmacy nomenclature, biopharmaceutics and drug activity, dosage calculations, and common mathematical formulas and conversions. Considerations of drug routes and formulations includes tablets and capsules, liquid prescriptions, parenteral and enteral, and enteral, and insulin and syringes. To better understand the business side of the pharmacy world, student will learn about HIPAA, drug regulation and control, inventory management, financial considerations, legal and ethical issues, sterile and non-sterile compounding, and units of measurement. Throughout the course, the student will perform realistic pharmacy simulations that duplicate tasks performed in the work environment. Course Length: Two semesters Prerequisite: SCI330A and SCI330B Anatomy and Physiology or SCI321 and SCI322 Anatomy and Physiology
HTL460: SPORTS MEDICINE INTRODUCTION	Therapeutics	What do you think of when you hear the phrase "sports medicine professional"? Believe it or not, the team encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. Learn how to get started in this exciting field. Course Length: One semester Prerequisite: SCI330A Anatomy and Physiology 1, SCI330B Anatomy and Physiology 2

Course Name	Subject	Course Description
HLT 461: SPORTS MEDICINE PREVENTING INJURY	Therapeutics	This course is designed as an exploration of career pathways in sports medicine. In this course students explore basic concepts in the broad areas within the National Career Clusters® Framework, as well as career options in various clusters. Students study the concepts of body organization, muscles, movement, injury assessment, soft tissue injuries, neck pain, chest and abdomen issues, and upper and lower extremity issues. Students complete projects to develop a deeper understanding of the roles these career functions play. Course Length: One semester Prerequisite: HLT460
HLT330: MEDICAL OFFICE PROCEDURES AND ADMIN	Optional	This course will introduce students to the Healthcare industry, its environment along with the day-to-day skill set, and knowledge required to fulfill a position as a Medical Administrative Assistant. Modules include Professional Behavior, Communication, Law and Ethics, Law and Medicine, Daily Operations, Telephone Techniques, Appointment Scheduling, Correspondence, Computers, HIPPA, Regulations, Records Management, Information Management, Basics of Coding, Health Insurance Basics, Professional Fees, Accounting and Bookkeeping, Banking and Financial Management, Practice Management, Marketing and Customer Service. Course Length: One semester
HTL430: PBL INTRODUCTION TO PHARMACOLOGY	Optional	This course is a Project Based Learning course (PBL). If you ever thought about pursuing a gratifying career in biomedical sciences, pharmacology is a must. Pharmacology is the fascinating study of chemistry, origins, and types of medications. Whether you plan on going into medicine, nursing, dentistry, veterinary medicine, or pharmacy, you'll need to learn the effects of medicines on different biological systems, appropriate dosages, and how the body responds to different medications. Course Length: One semester Prerequisite: SCI330A Anatomy and Physiology 1, SCI330B Anatomy and Physiology 2

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

	COMPREHENSIVE	HONORS	AP®	Fall	Spring
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					
Summit Physical Science	●			●	●
Summit Earth Science	●	●		●	●
Summit Biology	●	●		●	●
Summit Chemistry	●	●		●	●
Summit Physics	●	●		●	●
AP® Biology^			●		
AP® Chemistry^			●		
AP® Environmental Science^			●		
Summit Environmental Science*	●			●	●
Forensic Science*	●			●	●
Anatomy and Physiology	●			●	●
HISTORY and SOCIAL SCIENCES 4 Credits					
World History	●	●		●	●
Modern World Studies	●	●		●	●
U.S. History	●	●		●	●
Geography	●			●	●
U.S. Government and Politics*	●			●	●
U.S. and Global Economics*	●			●	●
AP® U.S. History^			●		
AP® U.S. Government and Politics*			●		
AP® Macroeconomics*			●	●	●
AP® Microeconomics*			●	●	●
AP® Psychology*			●	●	●
AP® World History^			●		
AP® Human Geography^			●		

	COMPREHENSIVE	HONORS	AP®	Fall	Spring
HEALTH and P.E. 1 Credit					
Summit Skills for Health*	●			●	●
Summit Physical Education*	●			●	●
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 ^			●		
Latin I	●			●	●
Latin II	●			●	●
Chinese I	●			●	●
Chinese II	●			●	●
American Sign Language I	●			●	●
American Sign Language II	●			●	●

(course list continued on next page)

= 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.
- ^Full Year: Side A offered only in the Fall and side B offered only in the Spring

K12 | PRIVATE ACADEMY

23-24 COURSE LIST HIGH SCHOOL

BUSINESS MANAGEMENT ELECTIVES	Full Year	FALL	SPRING
Entrepreneurship I*		•	•
Entrepreneurship II*		•	•
Marketing I*		•	•
Marketing II*		•	•
International Business*		•	•
Sports and Entertainment Marketing 1*		•	•
Sports and Entertainment Marketing 2*		•	•
Professional Sales and Promotion*		•	•
Summit Consumer Math		•	•
Summit Personal Finance*		•	•
Accounting I *		•	•
Accounting II*		•	•
TECHNOLOGY and COMPUTER SCIENCE ELECTIVES			
Web Development		•	•
Green Design & Technology*		•	•
Introduction to Robotics 1*		•	•
Introductions to Robotics 2*		•	•
Python Programming 1*		•	•
Python Programming 2*		•	•
Animation 1		•	•
3D Modeling*		•	•
3D Modeling 2*		•	•
Digital Arts I*		•	•
Digital Arts II*		•	•
Digital Photography I*		•	•
Digital Photography II*		•	•
Applied Engineering 1: Introduction*		•	•
Applied Engineering 2: Solving Problems*		•	•
Image Design and Editing*		•	•
Introduction Java™ Programming		•	•
Data Structures in C++ Programming 1*		•	•
Data Structures in C++ Programming 2*		•	•
Computer Literacy*		•	•
Software Apps: Powerpoint with Cert Prep*<		•	•
Software Apps: Word with Cert Prep*<		•	•
Software Apps: Excel Expert w/ Exam Prep*<		•	•
Digital Media: Illustrator*<		•	•
Digital Media: Photoshop*<		•	•
Digital Media: Animate*<		•	•
AP® Computer Science A^	•		
AP® Computer Science Principles^	•		

* = one-semester course (.5 credits)

CAREER TECHNICAL EDUCATION ELECTIVES	Full Year	FALL	SPRING
Careers in Criminal Justice 1*		•	•
Careers in Criminal Justice 2*		•	•
Law and Order*		•	•
Journalism*		•	•
Anthropology*		•	•
Psychology*		•	•
Archeology*		•	•
Astronomy 1*		•	•
Astronomy 2*		•	•
Veterinary Science*		•	•
Agriscience1: Introduction*		•	•
Culinary Arts 1*		•	•
Culinary Arts 2*		•	•
HEALTH SCIENCES ELECTIVES			
Health Science I*		•	•
Health Science II*		•	•
Medical Terminology 1*		•	•
Medical Terminology 2*		•	•
Early Childhood Education 1*		•	•
Early Childhood Education 2*		•	•
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*		•	•
Summit Public Speaking*		•	•
Summit Nutrition and Wellness*		•	•
REMEDIATION ELECTIVES			
English Foundations I		•	•
English Foundations II		•	•
Pre-Algebra		•	•
Math Foundations I		•	•
Math Foundations II		•	•

- 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.
- ^ Full Year: Side A offered only in the Fall and Side B offered only in the Spring

Stride Career Prep Pathway Program Offerings

BUSINESS: GENERAL MANAGEMENT	Full Year	FALL	SPRING
Business & Marketing Explorations*ǂ		•	•
Intro to Business Info Management*ǂ		•	•
Business Info Management: Data Essentials*ǂ		•	•
Introduction to Business Law*ǂ		•	•
Business Law: Legal Aspects of Business*ǂ		•	•
Introduction to Management 1*ǂ		•	•
Management: Insight & Oversight*		•	•
International Business*		•	•
Princ. Of Bus. Marketing & Finance 1*		•	•
Princ. Of Bus. Marketing & Finance 2*		•	•
Personal Finance*		•	•
BUSINESS: ENTREPRENEURSHIP			
Business & Marketing Explorations*ǂ		•	•
Intro to Business Info Management*ǂ		•	•
Business Info Management: Data Essentials*ǂ		•	•
Entrepreneurship 1*ǂ		•	•
Entrepreneurship 2*ǂ		•	•
Business Ownership 1*		•	•
Business Ownership 2*		•	•
Accounting 1*		•	•
Accounting 2*		•	•
Introduction to Management 1*ǂ		•	•
Management: Insight & Oversight*		•	•
Personal Finance*		•	•
MARKETING: MARKETING COMMUNICATIONS			
Business & Marketing Explorations*ǂ		•	•
Intro to Business Info Management*ǂ		•	•
Business Info Management: Data Essentials*ǂ		•	•
Marketing 1*ǂ		•	•
Marketing 2*ǂ		•	•
Intro to Business Communications 1*ǂ		•	•
Intro to Business Communications 2*		•	•
Sports and Entertainment Marketing 1*		•	•
Sports and Entertainment Marketing 2*		•	•
Princ. Of Bus. Marketing & Finance 1*		•	•
Princ. Of Bus. Marketing & Finance 2*		•	•
Suggested Electives for all Pathways:			
Software Apps: Powerpoint with Cert Prep*<		•	•
Software Apps: Word with Cert Prep*<		•	•
Software Apps: Excel Expert with Exam Prep*<		•	•
Computer Literacy*		•	•

IT: WEB & DIGITAL COMMUNICATIONS	Full Year	FALL	SPRING
IT Explorations*ǂ		•	•
Web Design 1*ǂ		•	•
Web Design 2*ǂ		•	•
Web Development A*		•	•
Web Development B*		•	•
Introduction to JavaScript*		•	•
Digital Media: Photoshop*<		•	•
Digital Media: Illustrator*<		•	•
Virtual Reality*		•	•
IT: PROGRAMMING & SOFTWARE DEVELOPMENT			
IT Explorations*ǂ		•	•
Computer Science Principles*ǂ		•	•
Computer Fundamentals*<		•	•
Python Programming 1*		•	•
Python Programming 2*		•	•
Introduction to Java Programming 1*		•	•
Introduction to Java Programming 2*		•	•
Data Structures in C++ Programming 1*		•	•
Data Structures in C++ Programming 2*		•	•
Green Design & Technology*		•	•
Virtual Reality*		•	•
Mobile Apps*		•	•
AP® Computer Science Principles^	•		
AP® Computer Science A^	•		
IT: GAME DESIGN AND PROGRAMMING			
IT Explorations*ǂ		•	•
Computer Science Principles*ǂ		•	•
Computer Fundamentals*<		•	•
Video Game Design 1*ǂ		•	•
Video Game Design 2*ǂ		•	•
Python Programming 1*		•	•
Python Programming 2*		•	•
Introduction to JavaScript*		•	•
Digital Media: Photoshop*<		•	•
Digital Media: Illustrator*<		•	•
Green Design & Technology*		•	•
Virtual Reality*		•	•
Mobile Apps*		•	•
AP® Computer Science A^	•		
AP® Computer Science Principles^	•		

< = New course for 23-24 SY

•^ Full Year: Side A offered only in the Fall and Side B offered only in the Spring

* = one-semester course (.5 credits)

ǂ = Indicates a Project Based Learning (PBL) course. PBL courses are available for Full Time students only.

• Please note that course availability varies based on time of year.

Stride Career Prep Pathway Program Offerings (cont.)

HEALTH SCIENCE: INFORMATICS	Full Year	FALL	SPRING
Healthcare Explorations*ǂ		•	•
Health Sciences with Newsela*ǂ		•	•
Professionalism in Allied Health*		•	•
Intro to Anatomy & Medical Terminology	•	•	•
OR			
Medical Terminology 1* & 2*		•	•
Anatomy and Physiology 1* & 2*		•	•
Medical Office Procedures and Admin*		•	•
Insurance Billing and Coding*		•	•
Electronic Health Records*		•	•
Medical Scribe*		•	•
Computer Science Principles*ǂ			
Python Programming 1*		•	•
Python Programming 2*		•	•

HEALTH SCIENCE: THERAPEUTICS	Full Year	FALL	SPRING
Healthcare Explorations*ǂ		•	•
Health Sciences with Newsela*ǂ		•	•
Professionalism in Allied Health*		•	•
Intro to Anatomy & Medical Terminology	•	•	•
OR			
Medical Terminology 1* & 2*		•	•
Anatomy and Physiology 1* & 2*		•	•
Clinical Medical Assisting 1*		•	•
Clinical Medical Assisting 2*		•	•
Pharmacy Technician 1*		•	•
Pharmacy Technician 2*		•	•
Sports Medicine 1*		•	•
Sports Medicine 2*		•	•
Introduction to Pharmacology*ǂ		•	•
Medical Office Procedures and Admin*ǂ		•	•

MANUFACTURING: ENGINEERING/TECHNOLOGY	Full Year	FALL	SPRING
Engineering Explorations*ǂ		•	•
Applied Engineering 1: Introduction*		•	•
Applied Engineering 2: Solving Problems*		•	•
Introduction to Robotics 1*		•	•
Introduction to Robotics 2*		•	•
Engineering Drawing and Design 1*ǂ		•	•
Engineering Drawing and Design 2*ǂ		•	•
Introduction to Mechanical Engineering*		•	•
Green Design & Technology*		•	•
Arts, AV, Communications: Visual Arts			
Arts, AV, Communications Explorations*<		•	•
Digital Media: Illustrator*<		•	•
Digital Media: Photoshop*<		•	•
Digital Media: Animate*<		•	•
Digital Arts 1*		•	•
Digital Arts 2*		•	•
Image Design & Editing*		•	•
3D Modeling 1*		•	•
3D Modeling 2*		•	•
Digital Photography 1*		•	•
Digital Photography 2*		•	•
IT: Network Systems and Cybersecurity			
IT Explorations*ǂ		•	•
Web Communications*ǂ<		•	•
Computer Fundamentals*<		•	•
Network + Guide to Networks 1 *<		•	•
Network + Guide to Networks 2 *<		•	•
Security +1 *<		•	•
Security +2 *<		•	•
A+ Computer Management 1*<		•	•
A+ Computer Management 2*<		•	•
AP® Computer Science Principles^	•		
AP® Computer Science A^	•		
Suggested Electives for all Pathways			
Software Apps: Powerpoint with Cert Prep*<		•	•
Software Apps: Word with Cert Prep*<		•	•
Software Apps: Excel with Cert Prep*<		•	•
Computer Literacy*		•	•
Work Experience*"		•	•
Student-Led Business*"		•	•

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ǂ = Indicates a Project Based Learning (PBL) course. PBL courses are available for Full Time students only.

• 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.

" = Must be approved by SCP Coordinator

AP® Course Offerings

AP® COURSE OFFERINGS	Full Year	FALL	SPRING
AP® English Language and Composition*	●		
AP® English Literature and Composition*	●		
AP® Calculus AB*	●		
AP® Statistics*	●		
AP® Biology	●		
AP® Chemistry*	●		
AP® Environmental Science*	●		
AP® U.S. History*	●		
AP® U.S. Government and Politics		●	●
AP® Macroeconomics		●	●
AP® Microeconomics		●	●
AP® Psychology		●	●
AP® World History*	●		
AP® Spanish Language and Culture*	●		
AP® French Language*	●		
AP® Art History	●		
AP® Computer Science A*	●		
AP® Computer Science Principles*	●		
AP® Human Geography*<	●		

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K12 | PRIVATE ACADEMY | 23-24 NCAA COURSE LIST

ENGLISH	Honors
Journalism*	
Summit Public Speaking*	
Summit Creative Writing	
Summit English 9	●
Summit English 10	●
Summit American Literature	●
Summit British and World Literature	●
AP® English Language and Composition^	
AP® English Literature and Composition^	
Gothic Literature*	

SCIENCE	
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	
Anthropology*	●
Psychology*	●
World History	●
Modern World Studies	●
U.S. History	●
Geography	
U.S. Government and Politics*	
U.S. and Global Economics*	
AP® U.S. History^	
AP® U.S. Government and Politics*	
AP® Macroeconomics*	
AP® Microeconomics*	
AP® Psychology*	
AP® World History^	
AP® Human Geography^	

MATH	Honors
Summit Algebra I	●
Summit Geometry	●
Summit Algebra II	●
Summit Pre-Calculus/Trigonometry	●
Summit Probability and Statistics*	●
Summit Calculus	●
AP® Calculus AB^	
AP® Statistics^	

WORLD LANGUAGES	
Spanish I	
Spanish II	
Spanish III	
AP® Spanish Language and Culture ^	
French I	
French II	
French III	
AP® French Language ^	
Latin I	
Latin II	
Chinese I	
Chinese II	

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- Course materials will be available in various physical and/or digital formats.
- Please note that course availability varies based on time of year.
- ^Full Year: Side A offered only in the Fall and side B offered only in the Spring