Private Academy

2025 – 2026 | 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 1 program comprises two courses, ELA 1 and Phonics 1. The program provides a comprehensive 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 format: 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 1, building on the foundation of letter-sound knowledge previously mastered in Phonics. Targeted handwriting activities provide gentle instruction to help students print letters correctly.

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.
MATH 1 E1	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 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 E1	Math	Math 3 E1 is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Summit Math 3 includes the tools and technology that students need to succeed in a blended learning environment. Math 3 E1 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 E1	Math	Math 4 E1 is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Math 4 E1 includes the tools and technology that students need to succeed in a blended learning environment. Math 4 E1 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 E1	Math	Math 5 E1 is designed to support true depth of knowledge required by today's standards. With rich content to form conceptual understanding and enough practice to support mastery, including time built-in for individualized independent practice, games, and offline practice, Math 5 E1 includes the tools and technology that students need to succeed in a blended learning environment. Math 5 E1 focuses on expanding understanding of operations with fractions, developing a greater fluency with operations with multi-digit numbers, expanding understanding of decimals, and learning to perform operations with decimals, learning about the coordinate plane, and exploring volume.
SCIENCE K	Science	Science K brings science alive by providing students with 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 with 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 with 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.
SCIENCE 3	Science	Science brings science alive by providing students with 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 with 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 with 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.
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 citizens 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 artwork 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 artwork 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 artwork using a variety of materials and techniques, all of which are inspired by the artworks they study.
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 to 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.
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.
ELEMENTARY 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.
ELEMENTARY 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 the Reading Toolbar. -Be a good digital citizen and form good habits in order to be successful.

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
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Math 2 Summit
Math 3 Summit
Math 4 Summit
Math 5 Summit
SCIENCE
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History of the United States
WORLD LANGUAGES
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Elementary Chinese I (K-2)
Elementary Chinese II (3-5)

ART
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Art 1
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Art 3
Art 4
Early American Art
MUSIC
Music Grade K
Music Grade 1
Music Grade 2
Music Grade 3
Music Grade 4
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

MIDDLE SCHOOL 6–8

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

Course Name	Subject	Course Description
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. Course Length: Two Semesters
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. Course Length: Two Semesters
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 interpretation of literary works, analysis of informational texts, and the development of oral and written communication skills in standard (formal) English. Students read "between the lines" to interpret literature and go beyond the text to discover how the culture in which a work of literature was created contributes to the theme and ideas it conveys. Analysis of the structure and elements of informational texts and media helps students develop the skills needed for academic success and navigating the world. Students continue to acquire knowledge and skills in grammar, usage, mechanics, and vocabulary. 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. Course Length: Two Semesters

MATH 6	Math	In Stride'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 between area, volume, and surface area, and continue to lay the groundwork for deep algebraic understanding by interpreting and using expressions and equations. Course Length: Two Semesters
MATH 7	Math	In Stride's Grade 7 mathematics course, students focus on real-world scenarios and mathematical problems involving algebraic expressions and linear equations and begin to apply their understanding of rational numbers with increased complexity. The course lays the foundation for exploring concepts of angle, similarity and congruence, more formally addressed in Grade 8, as students work with scale drawings and construct and analyze relationships among geometric figures. Students also develop and apply understandings of proportional relationships. Course Length: Two Semesters
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. Course Length: Two Semesters
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. Course Length: Two Semesters
SUMMIT EARTH SCIENCE	Science	The Earth Science curriculum builds on natural curiosity of students. By connecting them with 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. Course Length: Two Semesters

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. Course Length: Two Semesters
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 gravitation, motion, acceleration, and mass; and energy, including light, thermal, electricity, and magnetism. Course Length: Two Semesters
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. Course Length: Two Semesters
WORLD HISTORY I	History	HST07DE2 World History I 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. Course Length: Two Semesters

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 Stride'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. Course Length: Two Semesters
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. Course Length: Two Semesters
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 Length: Two Semesters
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. Course Length: Two Semesters
MUS MS MUSIC	Music	Explore and build foundational musical skills with Exploring Music from eDynamic. This course offers a variety of learning activities. The course is organized into eight units. Students will learn how we hear music and the ways in which music can impact our lives. The lessons will cover essential elements of music such as rhythm, pitch, and harmony, as well as different musical genres and the role of singing and various instruments. Students will also be introduced to the basics of music composition and explore the history and culture of music over the years. Course Length: Two Semesters

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 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. Course Length: Two Semesters
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 Length: Two Semesters
MIDDLE SCHOOL FRENCH I A	World Language	In French I A, students are introduced to common situations where people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and discussing family members and social life. The course focuses on basic sentence structures and grammatical tools, with activities in listening, speaking, reading, and writing. Students also learn about regions of the French-speaking world visited by the central characters of each unit. Course Length: One Semester
MIDDLE SCHOOL FRENCH I B	World Language	French I B builds on the foundation laid in French I A. Students describe how to earn, save, and manage money, modes of urban transportation, seasons and weather conditions, food, clothes, and activities. They also discuss art forms, plays, concerts, movies, health, well-being, travel, and tourism. The course continues to emphasize listening, speaking, reading, and writing in French, with a focus on new vocabulary and grammar. Course Length: One Semester
MIDDLE SCHOOL FRENCH 2 A	World Language	In French 2 A, students revisit French in common situations, starting with describing classes, school friends, teachers, and school supplies. They discuss dress styles, housing, neighborhoods, relationships, daily routines, household chores, and family responsibilities. The course also covers different types of cuisine, dining establishments, and dining etiquette. Students build on what they learned in French I B, focusing on listening, speaking, reading, and writing. Course Length: One Semester

MIDDLE SCHOOL FRENCH 2 B	World Language	French 2 B continues from French 2 A, introducing students to various professions and career plans, traveling to different regions, and the flora and fauna found in each region. They describe different types of trips, hobbies, activities, crafts, and discuss medical specialists and symptoms related to illness and injury. The course emphasizes listening, speaking, reading, and writing in French, with a focus on new vocabulary and grammar. Course Length: One Semester
MIDDLE SCHOOL GERMAN I A	World Language	In German I A, students are introduced to common situations where people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and discussing family members and social life. The course focuses on basic sentence structures and grammatical tools, with activities in listening, speaking, reading, and writing. Students also learn about regions of the German-speaking world visited by the central characters of each unit. Course Length: One Semester
MIDDLE SCHOOL GERMAN I B	World Language	German I B builds on the foundation laid in German I A. Students describe how to earn, save, and manage money, modes of urban transportation, seasons and weather conditions, food, clothes, and activities. They also discuss art forms, plays, concerts, movies, health, well-being, travel, and tourism. The course continues to emphasize listening, speaking, reading, and writing in German, with a focus on new vocabulary and grammar. Course Length: One Semester
MIDDLE SCHOOL GERMAN 2 A	World Language	In German 2 A, students revisit German in common situations, starting with describing classes, school friends, teachers, and school supplies. They discuss dress styles, housing, neighborhoods, relationships, daily routines, household chores, and family responsibilities. The course also covers different types of cuisine, dining establishments, and dining etiquette. Students build on what they learned in German I B, focusing on listening, speaking, reading, and writing. Course Length: One Semester
MIDDLE SCHOOL GERMAN 2 B	World Language	German 2 B continues from German 2 A, introducing students to various professions and career plans, traveling to different regions, and the flora and fauna found in each region. They describe different types of trips, hobbies, activities, crafts, and discuss medical specialists and symptoms related to illness and injury. The course emphasizes listening, speaking, reading, and writing in German, with a focus on new vocabulary and grammar. Course Length: One Semester
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 Length: Two Semesters

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). Course Length: Two Semesters Prerequisite: K12 Middle School Chinese 1 (or equivalent)
CAR MS CAREER EXP 1	Career Readiness	Exploring College and Careers, Semester A, is the first part of a two-semester course. The course begins with an introduction to self-exploration to help you identify your aptitudes, interests, skills, values, beliefs, and strengths. You will learn to interpret self-assessment data effectively to create an initial career and education road map. You will set long-term, mid-term, and short-term goals. As the course progresses, you will explore various career clusters, gaining insights into job opportunities, educational requirements, and necessary skills. You will identify academic strengths and areas for improvement, which are essential for success in an interest-aligned career. You will learn about various postsecondary educational options, including trade or technical schools, apprenticeships, community colleges, military service, and universities. Finally, you will learn about financial planning to ensure that you have the resources necessary to pursue your aspirations. This course consists of 10 lessons organized into three units, three Unit Activities, and three Discussions. In addition, you must complete one Course Activity and one Course Project during the course. Every lesson includes one or more Lesson Activities. You will grade your work in the Lesson Activities by comparing it to sample responses. You will submit the Unit Activities, Course Activity, and Course Project to your teacher for grading. Course Length One Semester

CAR MS CAREER EXP 2	Career Readiness	Exploring College and Careers, Semester B, is the second part of a two-semester course. The course begins with an exploration of the key qualities, competencies, and skills required to achieve success in a career. You will develop leadership qualities and learn how to work efficiently as part of a team. You will examine the importance of ethical behavior and integrity in the workplace. As the course progresses, you will explore the dynamic world of entrepreneurship and become more familiar with current employment trends. You will discover the mindset and skills needed to start and run your own business. You will learn about organizations that can support your career development and provide networking opportunities. Additionally, you will learn about career planning to ensure that you have the resources necessary to pursue your aspirations. Finally, you will prepare customized career preparation materials such as a résumé, cover letter, and job application for a specific career aligned with your interests. This course consists of 10 lessons organized into three units, three Unit Activities, and three Discussions. Additionally, there is one Course Activity and one Course Project. Every lesson includes one or more Lesson Activities. You will grade your work in the Lesson Activities by comparing it to sample responses. You will submit the Unit Activities, Course Activity, and Course Project to your teacher for grading. By the end of this course, you will be able to do the following: Apply key employability skills and interact effectively with colleagues, clients, and stakeholders. Analyze and apply ethical principles and practices in various workplace scenarios. Evaluate the characteristics of successful entrepreneurs and develop a business plan for a potential entrepreneurial venture. Course Length: One Semester Prerequisite: CAR MS Career Exp 1
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. Course Length: One Semester
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 Length: One Semester

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 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. Each lesson includes at least one formative short multiple-choice quiz. At the end of each unit, students take a summative multiple-choice unit quiz that assesses their knowledge of the concepts covered in the unit. Course Length: One Semester
Intro to MS Game Design 1	Career Readiness	Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game! Course Length: One Semester
MS Game Design 2	Career Readiness	This course is a Project Based Learning course (PBL). Now that you have the basics of game design down, let's use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams. Course Length: One Semester
TCH08E2: Computer Literacy	Career Readiness	Computer Literacy is a two-semester introductory computer course. The course introduces students to the fundamental concepts necessary to use computers; use word processing software to create documents; develop skills in spreadsheet software to format cells, work with data, and use advanced formulas and functions; and use presentation software to create dynamic slide shows featuring text, objects, animation, and transitions. The course prepares students for further study via computer-related courses. The use of hands-on learning experiences ensures important computer concepts are thoroughly understood. In addition to learning the essentials of word processing, spreadsheets, and presentation software, students examine the building blocks of microcomputers, Microsoft Windows, and using the Internet wisely. Course Length: One Semester
Health 6	Electives	The sixth-grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed, as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the renal and urinary system, nutrition, food allergies, prevention of common diseases, the influence of the media on health behaviors and buying habits, safety, Internet safety, conflict resolution, bullying, and violence prevention. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol, including the opioid epidemic; environmental health, including a service project; and mental and emotional health and disorders. The course engages students with relevant health and wellness topics, and real-world concepts and health issues. Graded assignments, quizzes, and tests assess student understanding of the various health topics and concepts from the course. Course Length: One Semester

Health 7	Electives	The seventh-grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the circulatory system, the benefits of physical activity, nutrition, how to identify and avoid risky behaviors, safety, building character through maintaining healthy relationships, bullying, and violence prevention. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol; environmental health; and mental and emotional health and disorders. The course engages students with relevant health and wellness topics and real-world concepts and health issues. Graded assignments, quizzes, and tests assess student understanding of the various health topics and concepts from the course. Course Length: One Semester
Health 8	Electives	The eighth-grade health course helps students develop the knowledge and skills they need to make healthy decisions to stay active, safe, and informed as teenagers and as adults. The lessons and activities introduce important aspects of the main types of health: physical health, social health and wellness, and emotional and mental health. Among other topics, students explore the nervous system, communicable and noncommunicable diseases, online safety, and conflict resolution. They also explore topics related to the use and abuse of tobacco, drugs, and alcohol; environmental health; and mental and emotional health and disorders. The course engages students with relevant health and wellness topics, real-world concepts, and health issues. Graded assignments, quizzes, and tests assess student understanding of the various health topics and concepts from the course. Course Length: One Semester
Physical Fitness 6	Electives	Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity. Course Length: One Semester
Physical Fitness 7	Electives	Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity. Course Length: One Semester
Physical Fitness 8	Electives	Students will develop the knowledge and skills they need to make positive fitness decisions to stay active, safe, and informed, as teenagers and adults. The lessons and activities introduce important aspects of physical health and fitness and focus on helping students learn new fitness skills and stay active. Students will set fitness goals and assess their progress throughout the course. Students will use daily Fitness Plans to guide their physical activity and Fitness Logs to track their activity. Course Length: One Semester

Middle School Photography A/B	Electives	TCH005ADE2 and TCH005BDE2 Middle School Photography is eDynamic curriculum that teaches the basics of using a camera, lighting, and how to choose great subjects to create magazine-worthy photographs. This course is designed to provide students with the skills needed to become proficient in photography. Through a combination of lectures, discussions, and hands-on activities, students will learn the core terminology, the various tools, the elements of art, and principles of design that can impact the quality of a photograph. Students will be able to identify the key techniques and methods that can be used to create the perfect photograph Course Length: Two Semester
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 K12 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 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.

K12 Private Academy

25-26 COURSE LIST MIDDLE SCHOOL

ENGLISH/LANGUAGE ARTS
Summit Language Arts 6
Summit Language Arts 7
Summit Language Arts 8<
MATH
Summit Math 6
Summit Math 7
Summit Math 8
Pre-Algebra
SCIENCE
Summit Earth Science
Summit Life Science
Summit Physical Science
HISTORY/SOCIAL SCIENCES
Summit American History Since 1865
Summit World History I
Summit World History II
WORLD LANGUAGES
Middle School French 1A
Middle School French 1B
Middle School French 2A
Middle School French 2B
Middle School German 1A
Middle School German 1B
Middle School German 2A
Middle School German 2B
Middle School Spanish IA
Middle School Spanish IB
Middle School Spanish IIA
Middle School Spanish IIB
Middle School Chinese IA
Middle School Chinese IB
Middle School Chinese IIA
Middle School Chinese IIB

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

Health & PE
Health 6
Health 7
Health 8
Summit Physical Fitness 6
Summit Physical Fitness 7
Summit Physical Fitness 8
ART
Summit Intermediate American Art II +
Summit Intermediate World Art I +
Summit Intermediate World Art II +
Middle School Photography A +
Middle School Photography B +
MUSIC
MS Music +
CAREER READINESS ELECTIVES
MS Career Exp 1* +
MS Career Exp 2* +
Introduction to the Internet 6 +
World of Computing 7 +
Web Design 8 +
Intro to MS Game Design I +
Middle School Game Design: Create a Game +
Middle School Computer Literacy
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
< = New course for 25-26SY

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 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.

**Course offerings are subject to change throughout the year and not guaranteed.

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
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)
ENG109E3: 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: Language Arts 8 (or equivalent)
ENG208E3: 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 grade 10. Throughout the course, students practice narrative, informational, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. Course Length: Two semesters Prerequisite: Summit English 9 (or equivalent)
ENG209AE3: 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)
ENG303ADE4: 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 text analysis, 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)

ENG304ADE4: 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 text analysis, critical writing, creative projects, and online discussions. Students develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Students enrolled in this challenging course also complete independent projects that deepen their understanding of the themes and ideas presented in the curriculum. Course Length: Two semesters Prerequisites: Summit English 10 Honors (or equivalent) and teacher/school counselor recommendation
ENG403AD: BRITISH AND WORLD LITERATURE	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 complete guided and independent writing assignments that refine their analytical skills. They have opportunities for creative expression in projects of their choice. Students also practice test-taking skills for standardized assessments in critical reading and writing. Course Length: Two semesters Prerequisite: ENG303: American Literature (or equivalent)
ENG404AD: 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
ENG500AE2: AP® ENGLISH LANGUAGE AND COMPOSITION	English Core	In AP English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition. Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam 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

ENG510AE2: AP® ENGLISH LITERATURE AND COMPOSITION	English Core	AP® English Literature and Composition immerses students in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and class discussions to assess and improve their skills and knowledge. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. The key focus of this course are comprehension, interpretation, and analysis. More specifically, the course focuses on close and thematic reading skills. The writing students undertake is overwhelmingly of an analytical nature; students analyze meaning and how meaning is created. The equivalent of an introductory college-level survey class, this course prepares students for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition. The content aligns to the scope and sequence specified by the College Board and to widely used textbooks. 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
MTH322: SUMMIT Consumer Math	Math Core	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
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	Stride'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	In the 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 Prerequisite: Algebra 1 and Geometry or equivalent
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 highlights the interwoven nature of the study of mathematics. Course Length: Two semesters Prerequisite: Geometry and Algebra II (or equivalents)

MTH413: 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: 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. The 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
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
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 honor-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: cells, genetics, evolution, the structure and function of living things, and ecology. The program consists of in-depth online lessons, including extensive animations, an associated reference book, collaborative explorations, and hands-on laboratory experience students can conduct at home. Course Length: Two semesters Prerequisite: Middle School Life Science (or equivalent)
SCI204E3: SUMMIT BIOLOGY HONORS	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, thermochemistry, 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 atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community-based written research projects 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, and 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
SCI500E5: AP® BIOLOGY	Science Core	AP Biology provides two semesters of material designed to offer students a solid foundation in introductory college-level biology. The course is structured around the four big ideas and the six science practices. Each semester is divided into four units with two lessons in each unit. Those lessons are further divided into several activities in which students read, acquire content knowledge through interactives, complete written practice, take quizzes, and summative assessments. AP Biology builds students' understanding of biology on both the micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. Students will examine how living systems store, retrieve, transmit, and respond to information and how organisms utilize free energy. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP exam and for further study in science, health sciences, or engineering. This course provides a learning experience focused on allowing students to develop their critical thinking skills and cognitive strategies. Frequent no- and low-stakes formative assessments allow students to measure their comprehension and improve their performance as they progress through each activity. Students regularly engage with primary sources, allowing them to practice the critical reading and analysis skills that they will need in order to pass the AP exam and succeed in a college biology course. Students perform hands-on labs that give them insight into the nature of science and help them understand biological concepts, as well as how evidence can be obtained to support those concepts. Students also complete several virtual lab studies in which they form hypotheses; collect, analyze, and manipulate data; and report their findings and conclusions. During both virtual and traditional lab investigations and research opportunities, students summarize their findings and analyze others' findings in summaries, using statistical and mathematical calculations when appropriate. Summative assessments are offered at the end of each unit as well as at the end of each semester and contain objective and constructed response items. Robust scaffolding, rigorous instruction, relevant material, and regular active learning opportunities ensure that students can achieve mastery of the skills necessary to excel on the AP exam. 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 course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering. The AP Environmental Science course provides a learning experience focused on allowing students to develop their critical thinking skills and cognitive strategies. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, deconstruct claims, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Students perform hands-on labs and projects that give them insight into the nature of science and help them understand environmental concepts, as well as how evidence can be obtained to support those concepts. Virtual lab activities enable students to engage in investigations that would otherwise require long periods of observation at remote locations and to explore simulations that enable environmental scientists to test predictions. During both hands-on and virtual labs, students form hypotheses; collect, analyze, and manipulate data; and report their findings and conclusions. Throughout this course, students are given an opportunity to understand how biology, earth science, and physical science are applied to the study of the environment and how technology and engineering are contributing solutions for studying and creating a sustainable biosphere. 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 industry. Course Length: Two semesters Prerequisites: SCI203Biology

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
HST103: SUMMIT 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 Stride. 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: SUMMIT 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 K^{12}. 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: SUMMIT 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)

HST204: SUMMIT 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 clearly see the similarities and differences among the regions as they explore the locations and physical characteristics, including absolute and relative location, climate, and significant geographical features. They look at each region from cultural, economic, and political perspectives, and closely examine the human impact on each region. Audio readings and vocabulary flash cards support reading comprehension. Students learn and apply thinking skills as they complete assignments that provide a more in-depth focus on the subject matter. Course Length: Two semesters
HST303: SUMMIT 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 Stride'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 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: SUMMIT 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: SUMMIT 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
HST413: SUMMIT 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 with 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	AP U.S. Government and Politics studies the operations and structure of the United States government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to analyze the specific relationships between political, social, and economic institutions. Course Length: One semester Prerequisite: U.S. History (or equivalent); and teacher/ counselor recommendation

HST520E3: AP® MACROECONOMICS	History Core	AP Macroeconomics 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. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP Exam and for further study in business, political science, and history. The content aligns to the scope and sequence specified by the College Board and to widely used. Course Length: One semester Prerequisites: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation
HST530E3: AP® MICROECONOMICS	History Core	AP Macroeconomics 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. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP Exam and for further study in business, political science, and history. The content aligns to the scope and sequence specified by the College Board and to widely used. Course Length One Semester Prerequisites: Summit Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation
HST540E3: AP® PSYCHOLOGY	History Elective	AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They'll study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. 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. Course Length: One semester Prerequisites: SCI204: Honors Biology (or equivalent) and teacher/school counselor recommendation
HST550E1: AP® HUMAN GEOGRAPHY	History Elective	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
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 prevention injury, nutrition, and yet, and stress management. Students may enroll in the course for either one or two semesters and repeat for further semesters as needed to fulfill state requirements. Course Length: Two semesters
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)

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)
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. Course Length: Two semesters
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. Course Length: Two semesters Prerequisites: WLG150A/B AMERICAN SIGN LANGUAGE I

WLG110A: FRENCH I A	World Language	In French I A, students are introduced to common situations where people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and discussing family members and social life. The course focuses on basic sentence structures and grammatical tools, with activities in listening, speaking, reading, and writing. Students also learn about regions of the French-speaking world visited by the central characters of each unit. Course Length: One semester
WLG110B: FRENCH I B	World Language	French I B builds on the foundation laid in French I A. Students describe how to earn, save, and manage money, modes of urban transportation, seasons and weather conditions, food, clothes, and activities. They also discuss art forms, plays, concerts, movies, health, well-being, travel, and tourism. The course continues to emphasize listening, speaking, reading, and writing in French, with a focus on new vocabulary and grammar. Course Length: One semester
WLG210A: FRENCH 2 A	World Language	In French 2 A, students revisit French in common situations, starting with describing classes, school friends, teachers, and school supplies. They discuss dress styles, housing, neighborhoods, relationships, daily routines, household chores, and family responsibilities. The course also covers different types of cuisine, dining establishments, and dining etiquette. Students build on what they learned in French I B, focusing on listening, speaking, reading, and writing. Course Length: One semester
WLG210B: FRENCH 2 B	World Language	French 2 B continues from French 2 A, introducing students to various professions and career plans, traveling to different regions, and the flora and fauna found in each region. They describe different types of trips, hobbies, activities, crafts, and discuss medical specialists and symptoms related to illness and injury. The course emphasizes listening, speaking, reading, and writing in French, with a focus on new vocabulary and grammar. Course Length: One semester
WLG120A: GERMAN I A	World Language	In German I A, students are introduced to common situations where people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and discussing family members and social life. The course focuses on basic sentence structures and grammatical tools, with activities in listening, speaking, reading, and writing. Students also learn about regions of the German-speaking world visited by the central characters of each unit. Course Length: One semester
WLB120B: GERMAN I B	World Language	German I B builds on the foundation laid in German I A. Students describe how to earn, save, and manage money, modes of urban transportation, seasons and weather conditions, food, clothes, and activities. They also discuss art forms, plays, concerts, movies, health, well-being, travel, and tourism. The course continues to emphasize listening, speaking, reading, and writing in German, with a focus on new vocabulary and grammar. Course Length: One semester
WLB220A: GERMAN 2 A	World Language	In German 2 A, students revisit German in common situations, starting with describing classes, school friends, teachers, and school supplies. They discuss dress styles, housing, neighborhoods, relationships, daily routines, household chores, and family responsibilities. The course also covers different types of cuisine, dining establishments, and dining etiquette. Students build on what they learned in German I B, focusing on listening, speaking, reading, and writing. Course Length: One semester
WLG 220B: GERMAN 2 B	World Language	German 2 B continues from German 2 A, introducing students to various professions and career plans, traveling to different regions, and the flora and fauna found in each region. They describe different types of trips, hobbies, activities, crafts, and discuss medical specialists and symptoms related to illness and injury. The course emphasizes listening, speaking, reading, and writing in German, with a focus on new vocabulary and grammar. 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
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 on business, investigating why and how companies go internationally 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 ENTERTAINMENT MARKETING 2	Business Mgmt. Electives	"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 Course Length: One semester

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
BUS355: FINANCIAL LITERACY FUNDAMENTALS	Business Mgmt. Electives	In this course, students will explore their choices as producers, consumers, investors, and taxpayers. In addition, they will learn financial literacy skills emphasizing investments, markets, and taxation. Students will apply what they learn to real-world simulation problems. Topics of study include markets from historical and contemporary perspectives; supply and demand; budgeting; understanding creditworthiness and credit reports; saving options; debt reduction; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, and the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism, such as unemployment, inflation, and the national debt; profiles of individuals who are making their mark in business and economics; and a survey of markets in such areas as China, Europe, and the Middle East. Course Length: One semester
BUS110: SOCIAL MEDIA MARKETING	Tech Electives	BUS110: SOCIAL MEDIA MARKETING
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
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 3D Modeling I
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 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 bring your story to life with animation! Course Length: Two semesters

TCH171 Software Apps: PowerPoint with Cert Prep	Tech Electives	TCH171 Software Apps: PowerPoint with Exam Prep prepares students for the Microsoft Office Specialist Exam. This course introduces users to PowerPoint 2019 and covers: managing presentations, slides, text, shapes, images, tables, charts, 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. Course Length: One semester
TCH109: Foundations of Digital Literacy	Career Readiness	This course is designed to equip high school students with essential technology skills and prepare them for the IC3 Digital Literacy Certification. Students will explore foundational concepts such as computer hardware and software, operating systems, and file management. They will also gain practical experience with productivity tools, including word processors, spreadsheets, presentation, and multimedia software. Students will also explore principles in digital projects and web design. Beyond technical skills, the course emphasizes online communication, digital ethics, cybersecurity, and responsible internet use to ensure students navigate the digital landscape confidently and safely. Course Length: One Semester
TCH172 Software Apps: Word with Cert Prep	Tech Electives	TCH172 Software Apps: Word with Exam Prep 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. Course Length: One semester
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
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 Introduction to Robotics
TCH177: Software Apps Excel with Exam Prep	Tech Electives	TCH177 Software Apps: Excel with Exam Prep 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. Course Length: One semester

TCH0175 Digital Media: Photoshop with Exam Prep	Tech Electives	TCH175 Digital Media: Photoshop with Exam Prep 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 Length: One semester
TCH174 Digital Media: Illustrator with Exam Prep	Tech Electives	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). Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. Dynamic grading tracks students' progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. 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 Pre-requisite: Enrolled in or have already taken Algebra 1.
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: Enrolled in or have already taken Algebra and 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 Pre-requisite: TCH047A&B Web Design

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 Pre-requisites: TCH 323 A&B Java and TCH342A & B Python programming
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 Pre-requisite: TCH520 C++
BUS110: SOCIAL MEDIA MARKETING	Tech Electives	Whether it’s posting pictures, videos, or interacting in the metaverse, today’s students who aspire to apply their social media skills to business marketing must be prepared! This course on Social Media Business Marketing provides them with a foundational knowledge of social media technology and marketing principles. The course begins with an introduction to Social Media platforms and then goes in-depth into the marketing and advertising strategies used to support a company’s social media strategy and campaigns. Through activities and projects, students will gain firsthand knowledge of this exciting field. This course also prepares students for the Social Media Strategist certification." 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
COM230: INTRO TO JOURNALISM 1	Tech Ed Electives	Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field. Course Length: One semester
COM231: JOURNALISM: INVESTIGATING THE TRUTH 2	Tech Ed Electives	Journalists are asked to tell the world a story every single day—and their job is, to tell the truth. Learn how to choose a topic, structure your story, research facts, hone your observational skills, and write an article following journalism tradition. Go beyond the print world and discover how journalism can lead to exciting careers that will put you right in action. 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 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 as they 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 CAREERS IN CRIMINAL JUSTICE 1
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
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
TCH130: FOUNDATIONS OF ENGINEERING SCIENCE	Tech Ed Electives	This course outlines the foundational skills and principles necessary for success in engineering. Students explore teamwork dynamics and leadership roles, progressing to understand mathematical concepts like algebra, geometry, statistics, and probability as they relate to engineering. Students gain hands-on experience in conducting experiments, analyzing data, and designing prototypes. Additionally, students explore fluid power systems, basic construction techniques, and emerging trends in industry. Course Length: One semester
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 science provides the answers to questions such as these. This course introduces students to the various disciplines within the health sciences, including toxicology, clinical medicine, and biotechnology. Students explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas. Course Length: One semester
OTH094: HEALTH SCIENCES II	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 semesters
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
HST060: SOCIOLOGY I	Art Electives	The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course. 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: 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: Study Hall 101	Student Development Electives	Study Hall 101 is a high school course designed to help students achieve their academic goals and build the skills necessary for long-term success. By focusing on effective study techniques, goal-setting strategies, and communication skills, students will be prepared to excel in high school and beyond, whether pursuing higher education or entering the workforce. Course Length: One semester
MTH113ADE3: 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 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
STRIDE COLLEGE AND CAREER PREP PROGRAM PATHWAY COURSES		
SUGGESTED FOR ALL PATHWAYS		
TCH171 Software Apps: PowerPoint with Cert Prep	Career Readiness	TCH171 Software Apps: PowerPoint with Exam Prep prepares students for the Microsoft Office Specialist Exam. This course introduces users to PowerPoint 2019 and covers: managing presentations, slides, text, shapes, images, tables, charts, 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. Course Length: One semester

TCH109: Foundations of Digital Literacy	Career Readiness	This course is designed to equip high school students with essential technology skills and prepare them for the IC3 Digital Literacy Certification. Students will explore foundational concepts such as computer hardware and software, operating systems, and file management. They will also gain practical experience with productivity tools, including word processors, spreadsheets, presentation, and multimedia software. Students will also explore principles in digital projects and web design. Beyond technical skills, the course emphasizes online communication, digital ethics, cybersecurity, and responsible internet use to ensure students navigate the digital landscape confidently and safely. Course Length: One Semester
TCH172 Software Apps: Word with Cert Prep	Career Readiness	TCH172 Software Apps: Word with Exam Prep 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. Course Length: One semester
TCH110 Computer Science JavaScript I	Career Readiness	TCH110 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. Course Length: One semester Pre-requisite: Enrolled in or have already taken Algebra 1.
TCH177: Software Apps Excel with Exam Prep	Career Readiness	TCH177 Software Apps: Excel with Exam Prep 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. Course Length: One semester
WBL531: WORK EXPERIENCE 1	Career Readiness	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: Student enrollment MUST be approved by SCP Coordinator.
WBL541: STUDENT-LED BUSINESS	Career Readiness	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: Student enrollment MUST be approved by SCP Coordinator.
BUSINESS: GENERAL MANAGEMENT PATHWAY		
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's explore your passion for business in this course! Course Length: One semester

BUS140-PBL BUSINESS INFORMATION MANAGEMENT: DATA ESSENTIALS	General Mgmt.	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: TCH105 Computer Literacy or TCH109 FOUNDATIONS OF DIGITAL LITERACY
BUS310: INTRODUCTION TO MANAGEMENT 1	General Mgmt.	From the shift managers at small businesses 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
BUS113: ACCOUNTING 1	General Mgmt.	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	General Mgmt.	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
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 internationally 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
BUS110: SOCIAL MEDIA MARKETING	Optional	Whether it's posting pictures, videos, or interacting in the metaverse, today's students who aspire to apply their social media skills to business marketing must be prepared! This course on Social Media Business Marketing provides them with a foundational knowledge of social media technology and marketing principles. The course begins with an introduction to Social Media platforms and then goes in-depth into the marketing and advertising strategies used to support a company's social media strategy and campaigns. Through activities and projects, students will gain firsthand knowledge of this exciting field. This course also prepares students for the Social Media Strategist certification." Course Length: One semester

BUS100: STARTUPS & INNOVATION	Optional	Students hear a lot of contradictory advice in life. On one hand, they may hear something like "Follow your dreams. Pursue your passion and the money will come!" On the other hand, they may hear something completely opposite, like "Most startups fail! It's much safer to get a safe, steady job." So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup." Course Length: One semester
BUS410: INTRO TO BUSINESS COMMUNICATION	Optional	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
BUS420: BUSINESS COMMUNICATION 2	Optional	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 what your career choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing! Course Length: One semester Prerequisite: BUS410
TCH177: Software Apps Excel with Exam Prep	Optional	TCH177 Software Apps: Excel with Exam Prep 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. Course Length: One semester
OTH224: PROJECT MANAGEMENT	Optional	The Project Management course is intended to identify the key components of a career as a project manager. Students will review the basics of project management terminology, such as designating distinctions among projects, products, programs, and portfolios. They will delve into concepts like managing deliverables and creating engaging stakeholder relationships. The primary components of project planning will be laid out and described in detail. Students will explore teams and organizational structures. They will discover project management tools and innovations being used in the industry. Overall, they will better understand the mechanisms in place to effectively carry out projects of any size through specific project management techniques. Course Length One Semester
BUSINESS: ENTREPRENEURSHIP PATHWAY		
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: TCH105 Computer Literacy or TCH109 FOUNDATIONS OF DIGITAL LITERACY
BUS100: STARTUPS & INNOVATION	Entrepreneurship	Students hear a lot of contradictory advice in life. On one hand, they may hear something like "Follow your dreams. Pursue your passion and the money will come!" On the other hand, they may hear something completely opposite, like "Most startups fail! It's much safer to get a safe, steady job." So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup." Course Length: One semester
BUS430: BUSINESS OWNERSHIP 1	Optional	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
BUS431: BUSINESS OWNERSHIP 2	Optional	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: BUSINESS OWNERSHIP 1
BUS110: SOCIAL MEDIA MARKETING	Optional	Whether it's posting pictures, videos, or interacting in the metaverse, today's students who aspire to apply their social media skills to business marketing must be prepared! This course on Social Media Business Marketing provides them with a foundational knowledge of social media technology and marketing principles. The course begins with an introduction to Social Media platforms and then goes in-depth into the marketing and advertising strategies used to support a company's social media strategy and campaigns. Through activities and projects, students will gain firsthand knowledge of this exciting field. This course also prepares students for the Social Media Strategist certification." Course Length: One semester
BUS410: INTRO TO BUSINESS COMMUNICATION	Optional	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

BUS210: PROFESSIONAL SALES AND PROMOTION	Optional	"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
MARKETING: MARKETING COMMUNICATIONS PATHWAY		
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 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: TCH105 Computer Literacy or TCH109 FOUNDATIONS OF DIGITAL LITERACY
BUS410: INTRO TO BUSINESS COMMUNICATION	Optional	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
BUS090: SPORTS AND ENTERTAINMAENT MARKETING 1	Optional	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
BUS091: SPORTS AND ENTERTAINMAENT MARKETING 2	Optional	"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! 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
BUS110: SOCIAL MEDIA MARKETING	Optional	Whether it's posting pictures, videos, or interacting in the metaverse, today's students who aspire to apply their social media skills to business marketing must be prepared! This course on Social Media Business Marketing provides them with a foundational knowledge of social media technology and marketing principles. The course begins with an introduction to Social Media platforms and then goes in-depth into the marketing and advertising strategies used to support a company's social media strategy and campaigns. Through activities and projects, students will gain firsthand knowledge of this exciting field. This course also prepares students for the Social Media Strategist certification." Course Length: One semester
BUS100: STARTUPS & INNOVATION	Entrepreneurship	Students hear a lot of contradictory advice in life. On one hand, they may hear something like "Follow your dreams. Pursue your passion and the money will come!" On the other hand, they may hear something completely opposite, like "Most startups fail! It's much safer to get a safe, steady job." So which side is right? Given the massive changes to the economy and society, the skills of entrepreneurship are going to be critical in building a lasting career. The entrepreneurial mindset of searching for opportunities, creating value, and solving pain points will always be valuable. And this mindset applies not just to starting a business, but in any organization that someone is a part of: school, established companies, or non-profits. In this course, students will explore how to use this mindset to create the next world-class startup." Course Length: One semester
ARTS, AV, COMMUNICATIONS: DIGITAL/VISUAL ARTS		
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

TCH0175 Digital Media: Photoshop with Exam Prep	Visual Arts	TCH175 Digital Media: Photoshop with Exam Prep 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 Length: One semester
TCH174 Digital Media: Illustrator with Exam Prep	Visual Arts	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). Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. All courses are aligned with current industry-based certifications and test prep is included Course Length: One semester
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 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
TCH047: WEB DESIGN	Optional	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
TCH370: WEB DEVELOPMENT	Optional	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 Pre-requisite: TCH047A&B Web Design
TCH076: 3D MODELING 1	Optional	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	Optional	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 3D Modeling I
INFORMATION TECHNOLOGY: GAME DESIGN & PROGRAMMING		
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
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. TCH323A&B Java or TCH110A&B JavaScript
TCH110 Computer Science JavaScript I	Game Design & Programming	TCH110 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. Course Length: One semester Pre-requisite: Enrolled in or have already taken Algebra 1.
TCH174 Digital Media: Illustrator with Exam Prep	Game Design & Programming	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). Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. Dynamic grading tracks students progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. All courses are aligned with current industry-based certifications and test prep is included Course Length: One semester
TCH381: ESSENTIALS OF CLOUD COMPUTING	Game Design & Programming	This course is a Project-Based Learning course (PBL) and is designed to explore cloud technology. Students will be introduced to basic cloud concepts, examine factors impacting business decisions, and address issues to reduce security risks. In addition, students will explore Amazon Web Services (AWS). Students will complete projects to develop a deeper understanding of concepts. This course will help prepare students for two certification tests: CompTIA Cloud Essentials+ and AWS Certified Cloud Practitioner. Course Length: One semester

TCH380D Computer Fundamentals	Optional	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 Length: One semester Pre-Requisite: 2 semesters of one programming course, TCH110 JavaScript, TCH323 Java or TCH342 Python.
TCH180: INTRO TO GAME DESIGN WITH P5PLAY	Optional	This course discusses the foundations of game design and p5play. You will learn important basic skills including programming in JavaScript and 5play. You will also apply your knowledge with several projects. Course Length: One semester Pre-Requisite: TCH110A&B JavaScript
TCH0175 Digital Media: Photoshop with Exam Prep	Optional	TCH175 Digital Media: Photoshop with Exam Prep 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 Length: One semester
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 Pre-requisite: Enrolled in or have already taken Algebra 1.
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: PROGRAMMING & SOFTWARE DEVELOPMENT		
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
TCH200: APPLE SWIFT APP DEVELOPMENT	Programming & Software Devel.	This course introduces students to Swift and prepares students to obtain the App Development with Swift Certification. Students will get an insight into key computing concepts and a strong foundation in programming apps using Swift. Over 7 modules, students will learn everything from absolute basics like planning and designing apps to more complex tasks like using the interface builder and programming using Swift language. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in Swift." Course Length: One semester Pre-requisite: two semesters of any programming language.
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 Pre-requisite: Enrolled in or have already taken Algebra 1.
TCH323: 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 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 Two Semesters Pre-requisite: Enrolled in or have already taken Algebra 1.

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: Enrolled in or have already taken 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: Enrolled or have taken Algebra 1 and TCH323A Introduction to Java 1
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 Pre-requisites: TCH 323 A&B Java and TCH342A & B Python programming

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 Pre-requisite: TCH520 C++
TCH380D Computer Fundamentals	Optional	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 Length: One semester Pre-Requisite: 2 semesters of one programming course, TCH110 JavaScript, TCH323 Java or TCH342 Python.
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		
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 Length: One semester Pre-requisite: TCH047A&B

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. **This course should be taken before all other courses in Cyber Security Pathway. Course Length: One semester Pre-Requisite: 2 semesters of one programming course, TCH110 JavaScript, TCH323 Java or TCH342 Python.
TCH325A CompTIA Network + Certification	Cybersecurity	This two-semester course by Edmentum is designed to cover the objectives of the CompTIA Network+ Certification (N10-007) exam. It starts with an introduction to networking concepts, including network topologies, protocols, IP addressing, switching, and routing. Then, explores wireless technologies, virtualization, cloud computing, and network services. Additionally, the course covers network cables and connectors, network devices, and network storage technologies. The second semester starts with an overview of network documentation and best practices. Then, explore network monitoring tools and remote access methods. The course also covers business continuity and disaster recovery strategies, wireless network security, and various types of network attacks. Additionally, students learn about device hardening and mitigation techniques, troubleshooting methodologies and tools, and how to troubleshoot wired and wireless connections and network service issues. Course Length: One semester Prerequisite: TCH380 Computer Fundamentals and two semesters of one programming course, TCH110A&B JavaScript, TCH323A&B Java or TCH342A&B Python.
TCH462 CompTIA Security + Certification	Cybersecurity	This course is a two-semester program designed to cover the CompTIA Security+ certification exam SY0-601 objectives. It begins with an overview of threat actors, social engineering, security, application, and network attacks. You'll then explore security concerns related to various vulnerabilities, identify physical security controls, and learn about authentication and authorization methods. The course also covers cryptography, penetration testing, enterprise environment security, cloud computing, virtualization, application development security, embedded systems security, and cybersecurity resilience. The course continues with identifying application security solutions. You'll learn about secure protocols, how to design a secure network, and how to secure wireless networks, mobile devices, cloud environments, and sensitive data. The course covers account management controls, authentication management solutions, and public key infrastructure (PKI). You'll explore incident response and investigation processes, identify digital forensics tools, and describe organizational security and risk management. Course Length: One semester Prerequisite: TCH380 Computer Fundamentals and TCH325A&B Network+
TCH467 CompTia A+ Core 1	Cybersecurity	This one-semester course by Edmentum is designed to cover the objectives of the CompTIA A+ (220-1001) exam. It starts with an overview of computer hardware components and peripherals. Then delves into network fundamentals, network hardware, and wireless networking. The course also covers virtualization, cloud concepts, and the features of laptops and mobile devices. Additionally, students learn how to troubleshoot issues related to hardware, networks, storage, mobile devices, and printers. Course Length: One semester Prerequisite: TCH380 Computer Fundamentals, TCH325A&B Network+ and TCH462 Security+
TCH468 CompTia A+ Core 2	Cybersecurity	This one-semester program by Edmentum is designed to meet the objectives of the CompTIA A+ (220-1002) exam. It starts with an introduction to the Windows operating system. Then, it explores the change management process and identifies disaster prevention and recovery methods. The course also covers identifying security threats and various prevention techniques. Additionally, students learn about remote access methods and how to troubleshoot issues related to operating systems, security, and mobile applications. Course Length: One semester Prerequisite: TCH380 Computer Fundamentals, TCH325A&B Network+ and TCH467A Core 1

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, TCH380
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 students have consider the applications of programming and incorporate examples from their own lives. Course Length: Two semesters Prerequisites: Algebra I, TCH380
ENGINEERING & STEM: ENGINEERING & TECHNOLOGY		
TCH120: ENGINEERING DESIGN & PRESENTATION	Engineering	This course will cover essential aspects of engineering design and communication. Students will explore the significance of computer-aided design and drawing in engineering, integrate ethical considerations and regulations into design scenarios, and develop professional behaviors. Students will learn effective communication of engineering findings and various methods of data collection and analysis. Students will engage in analyzing the engineering process, practice brainstorming and critical thinking, and create or improve products while maintaining detailed engineering documentation. Course Length: One semester
TCH130: FOUNDATIONS OF ENGINEERING SCIENCE	Engineering	This course outlines the foundational skills and principles necessary for success in engineering. Students explore teamwork dynamics and leadership roles, progressing to understand mathematical concepts like algebra, geometry, statistics, and probability as they relate to engineering. Students gain hands-on experience in conducting experiments, analyzing data, and designing prototypes. Additionally, students explore fluid power systems, basic construction techniques, and emerging trends in industry. Course Length: One semester Prerequisites: TCH120: ENGINEERING DESIGN & PRESENTATION
TCH140: PRINCIPLES OF APPLIED ENGINEERING	Engineering	In this course, students will explore specialized areas of engineering and related fields by focusing on scientific inquiry, interdisciplinary integration, and project-based learning. Through research, projects, and collaboration, students will learn about manufacturing, electronic theory, thermal energy, kinematics, material processes, and other topics that provide insights into the intersection of technology, society, and innovation. In addition, course content will inform students about technical writing, construction drawings, computing advancements, and design and documentation. This course furthermore helps students prepare for college-level study and careers in STEM fields. Course Length: One semester Prerequisites: TCH130: FOUNDATIONS OF ENGINEERING SCIENCE

TCH150: ENGINEERING DESIGN	Engineering	This course outlines key principles and advanced concepts vital for success in engineering design. Beginning with professionalism in the sciences, students learn essential skills like effective communication and teamwork. Subsequent units cover diverse topics including lab safety procedures and advanced computer-aided drawing techniques. Ethical considerations in robotics are explored alongside hands-on projects such as designing a functional robotic hand. Emphasizing collaboration, critical thinking, and practical application, this course equips students with the knowledge needed for a career in engineering. Course Length: One semester Prerequisites: TCH140: PRINCIPLES OF APPLIED ENGINEERING
TCH380D Computer Fundamentals	Optional	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. **This course should be taken before all other courses in Cyber Security Pathway. Course Length: One semester Pre-Requisite: 2 semesters of one programming course, TCH110 JavaScript, TCH323 Java or TCH342 Python.
TCH145: DATA SCIENCE	Optional	This course discusses the essential skills of data scientists which include data collection, analyzing data, and how to build statistical algorithms and models to represent meaningful insights and results. Course Length: One semester Pre-requisite TCH342A&B Python
HEALTH SCIENCE: THERAPEUTICS PATHWAY		
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
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
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 as diseases that affect those systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as 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
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 fill 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
HLT430: 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
HTL431: PHARMACY TECHNICAN	Optional	The Pharmacy Technician course is designed to education and train the student in the diverse field of Pharmacy Technology. The student will be provided with 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 include tablets and capsules, liquid prescriptions, parenteral and enteral, and enteral, and insulin and syringes. To better understand the business side of the pharmacy world, students 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	Optional	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

HLT 461: SPORTS MEDICINE PREVENTING INJURY	Optional	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
HLT400: FUNDAMENTALS OF MENTAL HEALTH CARE	Optional	Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. Explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you. Course Length: One semester Prerequisite: HLT460: SPORTS MEDICINE INTRODUCTION
HLT230: INTRO TO HUMAN AND SOCIAL SERVICES	Optional	Professionals in social services are committed to enhancing the economic and social well-being of individuals, supporting them in leading safe and independent lives. This course examines the helping process, as well as the importance of physical, mental, and family wellness. It also provides insight into the qualities and skills essential for a compassionate and effective social service career. For those seeking an emotionally fulfilling and impactful profession, the field of social and human services offers meaningful opportunities to make a difference in the lives of others. Course Length One Semester
HLT442: MEDICAL SCRIBE	Optional	Medical Scribe is a comprehensive course with insight and focus on professional skills, providing foundational knowledge required of a medical scribe professional. Video-based lessons include the role of the medical scribe, medical law and ethics, clinic workflow and documentation, introduction to PM/EHR administrative, working with the physician, and release of information. Course Length: One semester
HEALTH SCIENCE: DIAGNOSTICS PATHWAY		
HLT340: PROFESSIONALISM IN ALLIED HEALTH	Diagnostics	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
HLT213: MEDICAL TERMINOLOGY 1	Diagnostics	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	Diagnostics	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	Diagnostics	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 as diseases that affect those systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in the industry. Course Length: Two semesters
HLT310: INTRO TO MEDICAL DIAGNOSTICS TECHNOLOGY	Optional	How do health professionals determine the correct diagnosis for an illness? What factors influence the choice of medications based on a patient's body, signs, and symptoms? This course explores various diagnostic technologies and the essential body systems and fluids that must be understood to accurately identify diseases, conditions, and illnesses. With the healthcare field rapidly expanding, now is an opportune time to explore the advancements and opportunities within this profession. Course Length: One Semester Prerequisite: SCI330A Anatomy and Physiology 1 SCI330B Anatomy and Physiology 2
HLT320: MEDICAL TECH: SYSTEMS & PROCEDURES	Optional	The human body is intricate, and when illness occurs, doctors and specialists must assess and diagnose the underlying issue. This course explores various diagnostic technologies, procedures, and the essential body systems and fluids necessary for accurate disease, condition, and illness identification. With the healthcare field rapidly growing, this is an exciting time to explore opportunities in this evolving profession. Course Length One Semester
HLT472: MEDICAL LAB ASSISTING	Optional	Medical Lab Assisting is a comprehensive course with insight and focus on laboratory skills, providing the foundational knowledge required of a medical lab professional. Video-based lessons include introduction to clinical laboratory science; standards, practices, law, and ethics in healthcare; quality assessment and quality control; general laboratory equipment; point-of-care testing (POCT); clinical chemistry - fundamental techniques; clinical chemical testing; automation in clinical chemistry; clinical hematology; hemostasis and blood coagulation; urinalysis and composition of urine; immunology, serology, and immunohematology; and health information technology in the laboratory. Course Length: One semester
HLT442: MEDICAL SCRIBE	Optional	Medical Scribe is a comprehensive course with insight and focus on professional skills, providing foundational knowledge required of a medical scribe professional. Video-based lessons include the role of the medical scribe, medical law and ethics, clinic workflow and documentation, introduction to PM/EHR administrative, working with the physician, and release of information. Course Length: One semester
HLT400: FUNDAMENTALS OF MENTAL HEALTH CARE	Optional	Fundamentals of Mental Health Care is a comprehensive course with insight and focus on the role of a mental health support professional in many aspects of mental health care. The course provides the foundational knowledge required of a clinical healthcare professional, as well as those working with individuals with psychiatric and/or intellectual disabilities. It has been designed to prepare students to achieve the status of Mental Health Technician – Certified. Emphasis is placed on the intake process, crisis care, inpatient care, and discharge planning duties and related knowledge. This course includes topics related to mental health disorders, substance use disorders, behavioral crisis management, ethical behavior, HIPAA compliance, anatomy and physiology, infection control, use of personal protective equipment, comprehensive electronic health records, and effective communication. It also addresses psychiatric pharmacology, aspects of medical law related to the psychiatric healthcare setting, support of the client through all phases of treatment, and maintaining client safety throughout the client's time in treatment. Course Length One Semester

LAW: LEGAL SERVICES		
LAW110: CAREERS IN CRIMINAL JUSTICE 1	Legal Services	Have you ever wondered what steps take place as people as they 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	Legal Services	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	Legal Services	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
BUS410: INTRO TO BUSINESS COMMUNICATION	Legal Services	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
BUS420: BUSINESS COMMUNICATION 2	Legal Services	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
HLT230: INTRO TO HUMAN AND SOCIAL SERVICES	Career Readiness	Professionals in social services are committed to enhancing the economic and social well-being of individuals, supporting them in leading safe and independent lives. This course examines the helping process, as well as the importance of physical, mental, and family wellness. It also provides insight into the qualities and skills essential for a compassionate and effective social service career. For those seeking an emotionally fulfilling and impactful profession, the field of social and human services offers meaningful opportunities to make a difference in the lives of others. Course Length One Semester

HST060: SOCIOLOGY I	Optional	The world is becoming more complex. How do your beliefs, values, and behavior affect the people around you and the world in which you live? Students examine social problems in the increasingly connected world and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course. Course Length: One semester
SCI030: FORENSIC SCIENCE	Optional	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. Course Length: One semester
TCH055DE3-PBL Web Communications	Optional	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 Length: One semester Pre-requisite: TCH047A&B
HLT400: FUNDAMENTALS OF MENTAL HEALTH CARE	Optional	Fundamentals of Mental Health Care is a comprehensive course with insight and focus on the role of a mental health support professional in many aspects of mental health care. The course provides the foundational knowledge required of a clinical healthcare professional, as well as those working with individuals with psychiatric and/or intellectual disabilities. It has been designed to prepare students to achieve the status of Mental Health Technician – Certified. Emphasis is placed on the intake process, crisis care, inpatient care, and discharge planning duties and related knowledge. This course includes topics related to mental health disorders, substance use disorders, behavioral crisis management, ethical behavior, HIPAA compliance, anatomy and physiology, infection control, use of personal protective equipment, comprehensive electronic health records, and effective communication. It also addresses psychiatric pharmacology, aspects of medical law related to the psychiatric healthcare setting, support of the client through all phases of treatment, and maintaining client safety throughout the client's time in treatment. Course Length One Semester
OTH039: CRIMINOLOGY	Optional	Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system. Course Length: One semester

ENG020: PUBLIC SPEAKING	Optional	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
HS EXPLORATORY: PROFESSIONALISM & LEADERSHIP		
ENG020: PUBLIC SPEAKING	Professionalism & Leadership	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: Study Hall 101	Professionalism & Leadership	Study Hall 101 is a high school course designed to help students achieve their academic goals and build the skills necessary for long-term success. By focusing on effective study techniques, goal-setting strategies, and communication skills, students will be prepared to excel in high school and beyond, whether pursuing higher education or entering the workforce. Course Length: One semester
BUS410: INTRO TO BUSINESS COMMUNICATION	Professionalism & Leadership	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
BUS420: BUSINESS COMMUNICATION 2	Professionalism & Leadership	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

TCH109: Foundations of Digital Literacy	Career Readiness	This course is designed to equip high school students with essential technology skills and prepare them for the IC3 Digital Literacy Certification. Students will explore foundational concepts such as computer hardware and software, operating systems, and file management. They will also gain practical experience with productivity tools, including word processors, spreadsheets, presentation, and multimedia software. Students will also explore principles in digital projects and web design. Beyond technical skills, the course emphasizes online communication, digital ethics, cybersecurity, and responsible internet use to ensure students navigate the digital landscape confidently and safely. Course Length: One Semester
TCH171 Software Apps: PowerPoint with Cert Prep	Professionalism & Leadership	TCH171 Software Apps: PowerPoint with Exam Prep prepares students for the Microsoft Office Specialist Exam. This course introduces users to PowerPoint 2019 and covers: managing presentations, slides, text, shapes, 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. Course Length: One semester
TCH172 Software Apps: Word with Cert Prep	Professionalism & Leadership	TCH172 Software Apps: Word with Exam Prep 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. Course Length: One semester
TCH177: Software Apps Excel with Exam Prep	Professionalism & Leadership	TCH177 Software Apps: Excel with Exam Prep 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. Course Length: One semester
WBL531: WORK EXPERIENCE 1	Professionalism & Leadership	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. Course Length: One semester Pre-requisite: SCP Coordinator MUST approve student enrollment.
HLT200 Nutrition and Wellness	Optional	Nutrition and Wellness is a one-semester introductory course covering the basics of nutrition and health. It introduces nutrients, their sources, functions, and recommendations, as well as food labeling. Throughout life, you'll learn about digestion, metabolism, health factors, and nutritional needs. The course also covers eating disorders, food allergies, diet effects on weight and chronic illnesses, physical fitness, safe food handling, foodborne illnesses, food preparation, menu planning, and career options in nutrition and wellness. Course Length: One semester

HLT480 Health Science Clinical	Optional	This course is designed to allow students to gain hands-on experience in clinical operations, problem-solving, and decision-making. The first semester invites students into the world of healthcare professionals in various settings such as hospitals, clinics, and other health facilities. Students will learn medical terminology that will be useful in having effective communication with professionals in the industry. Students will work through a series of case studies that will deepen their understanding of the professional skills and knowledge they need to have successful careers in the health science industry. In the second semester of the course, students will have the opportunity to interact with healthcare professionals and industry experts to gain hands-on experience. Throughout the semester, students will build out their professional portfolios. These portfolios will include professional artifacts and anecdotes from hands-on experiences. Students' portfolios will showcase their professional profiles as they further their health science endeavors. Course Length Two Semesters
BUS300 Entrep. & Small Business	Optional	This course by Savvas (Pointful Education) is designed to equip students with the knowledge and skills needed to pass the Entrepreneurship and Small Business (ESB) certification exam from Certiport. The curriculum covers a comprehensive range of topics, including the characteristics of successful entrepreneurs, business management, employee recruitment, company culture development, financial management, and product and service marketing. Each module encourages students to step into the shoes of an entrepreneur and think critically about managing the various responsibilities involved in launching a business. Course Length: One Semester
BUS423 Principles of Banking & Finance	Optional	This course explores the principles of banking and finance within their larger economic context. Students explore the choices they face as producers, consumers, investors, and taxpayers, and 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; theories of value; money (what it is, how it evolved, and the role of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism (unemployment, inflation, and national debt); and a survey of global markets. In addition, students learn financial literacy skills with an emphasis on investments, markets, and taxation. Building on the broader economic emphasis of the first semester, the second semester of this course narrows its focus to explore more specific issues and elements that comprise the world of banking and finance. Students learn about different types of banks, their employees, and the different tasks they perform. Lessons cover how businesses use banks in their transactions, the accounting methods used in banking transactions, risks that financial institutions face and how they manage those risks, regulations and the importance of compliance, and the role of leadership in business and banking. Students will furthermore explore ways to finance a business (including the role of bank loans) and how financial ratios are used to analyze a company's performance. A series of in-depth projects provide opportunities to apply the concepts taught throughout this semester. Finally, this course discusses career opportunities and the responsibilities of both employers and employees. Course Length: Two Semesters
TCH332: Cloud & Cloud Security Found	Career Readiness	This one-semester course combines AWS Academy Cloud Foundations and AWS Academy Cloud Security Foundations, providing a foundational understanding of cloud computing and AWS cloud technology solutions through real-life scenarios, hands-on labs, video lectures, and individual and group activities. The course is designed to prepare students for the AWS Certified Cloud Practitioner exam and provide a strong foundational knowledge for students interested in pursuing the AWS Certified Security - Specialty certification. Throughout the first half of the course, students will learn basic cloud computing concepts, such as cloud economics and billing, AWS global infrastructure, networking with AWS, and various AWS services, including AWS computing services and AWS storage and database solutions. They will also explore cloud architecture concepts, the AWS Well-Architected Framework, automatic scaling and monitoring, and basic security principles. The second half of the course focuses on cybersecurity principles and best practices for securing cloud resources, covering key topics like Identity and Access Management (IAM), data encryption, and using AWS services for monitoring and incident response. Course Length: One Semester Pre-requisite: TCH381: ESSENTIALS OF CLOUD COMPUTING

TCH452: Machine Learning & Data Eng	Career Readiness	This one-semester course integrates three AWS Academy courses—Machine Learning Foundations, Data Engineering, and Machine Learning for Natural Language Processing—and one AWS Academy Lab Project: Cloud Data Pipeline Builder. This course lays the groundwork for students pursuing the AWS Certified Machine Learning - Specialty certification. Students begin by learning the fundamentals of machine learning, exploring areas such as forecasting, computer vision, natural language processing, and generative AI. They also gain practical skills in building, training, and deploying machine learning (ML) models using tools like Amazon SageMaker. Students then study data engineering and how to leverage ML applications to collect, store, prepare, analyze, and visualize data. Later in the course, students explore natural language processing (NLP) in depth, examining its business applications and implementing solutions for various NLP challenges. Finally, students undertake an extended lab project to build a cloud data pipeline to support data analysis. Course Length: One Semester Pre-requisite: TCH381: ESSENTIALS OF CLOUD COMPUTING and TCH332: Cloud & Cloud Security Found
LAW350: National Security	Optional	Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. Learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Discover the requirements of our nation's most demanding career. Course Length: One Semester

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.

ENGLISH 4 Credits	COMPREHENSIVE	HONORS	AP®	Fall	Spring
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	COMPREHENSIVE	HONORS	AP®	Fall	Spring
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® Human Geography^			●		
HEALTH and P.E. 1 Credit					
Summit Skills for Health*	●			●	●
Summit Physical Education*	●			●	●
Nutrition and Wellness*<	●			●	●
WORLD LANGUAGES 2 Credits					
French I	●			●	●
French II	●			●	●
German I	●			●	●
German II	●			●	●
Spanish I	●			●	●
Spanish II	●			●	●
Spanish III	●			●	●
American Sign Language I	●			●	●
American Sign Language II	●			●	●
Chinese I	●			●	●
Chinese II	●			●	●

(course list continued on next page)

- 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

(#) = number of credits from each subject area needed to graduate
* = one-semester course (.5 credits)

Private Academy 25-26 COURSE LIST HIGH SCHOOL

BUSINESS MANAGEMENT ELECTIVES	Full Year	FALL	SPRING
Financial Literacy Fundamentals*		●	●
Entrepreneurship I*		●	●
Entrepreneurship II*		●	●
Marketing I*		●	●
Marketing II*		●	●
International Business*		●	●
Sports and Entertainment Marketing 1*		●	●
Sports and Entertainment Marketing 2*		●	●
Accounting I *		●	●
Accounting II*		●	●
Professional Sales and Promotion*		●	●
Social Media Marketing*		●	●
TECHNOLOGY and COMPUTER SCIENCE ELECTIVES			
Digital Arts I*		●	●
Digital Arts II*		●	●
Digital Photography I*		●	●
Digital Photography II*		●	●
Image Design and Editing*		●	●
3D Modeling*		●	●
3D Modeling 2*		●	●
Animation 1		●	●
Software Apps: Powerpoint with Cert Prep*		●	●
Computer Literacy*		●	●
Software Apps: Word with Cert Prep*		●	●
Introduction to Robotics 1*		●	●
Introductions to Robotics 2*		●	●
Software Apps: Excel Expert w/ Exam Prep*		●	●
Digital Media: Photoshop*		●	●
Introduction Java™ Programming		●	●
Digital Media: Illustrator*		●	●
Python Programming 1*		●	●
Python Programming 2*		●	●
Web Development		●	●
Data Structures in C++ Programming 1*		●	●
Data Structures in C++ Programming 2*		●	●
Social Media Marketing*		●	●
AP® Computer Science A^	●		
AP® Computer Science Principles^	●		

CAREER TECHNICAL EDUCATION ELECTIVES	Full Year	FALL	SPRING
Agriscience1: Introduction*		●	●
Journalism*		●	●
Psychology*		●	●
Careers in Criminal Justice 1*		●	●
Careers in Criminal Justice 2*		●	●
Law and Order*		●	●
Veterinary Science*		●	●
Culinary Arts 1*		●	●
Culinary Arts 2*		●	●
Astronomy 1*		●	●
Astronomy 2*		●	●
Foundations of Engineering Science*		●	●
HEALTH SCIENCES ELECTIVES			
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		●	●
Sociology*		●	●
Mythology and Folklore*		●	●
STUDENT DEVELOPMENT ELECTIVES			
Summit Public Speaking*		●	●
Study Hall101*		●	●
REMEDIATION ELECTIVES			
Pre-Algebra	●	●	●
Consumer Math	●	●	●

- 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

* = one-semester course (.5 credits)

< = New course for 25-26SY

College & Career Prep Pathway Program Offerings

BUSINESS: GENERAL MANAGEMENT	Full Year	FALL	SPRING
BUS130 Intro to Business Info Management*		•	•
BUS140 Business Info Management: Data Essentials*ǂ		•	•
BUS310 Introduction to Management 1*ǂ		•	•
BUS113 Accounting 1*		•	•
BUS114 Accounting 2*		•	•
BUS080 International Business*		•	•
BUS410 Intro to Business Communications 1*		•	•
BUS420 Intro to Business Communications 2*		•	•
BUS110 Social Media Marketing*		•	•
BUS100 Startups & Innovation*		•	•
OTH224 Project Management*		•	•
BUS423 Principles of Banking & Finance*<		•	•
BUSINESS: ENTREPRENEURSHIP			
BUS130 Intro to Business Info Management*ǂ		•	•
BUS140 Business Info Management: Data Essentials*ǂ		•	•
BUS045 Entrepreneurship 1*ǂ		•	•
BUS055 Entrepreneurship 2*ǂ		•	•
BUS100 Startups & Innovation*		•	•
BUS430 Business Ownership 1*		•	•
BUS431 Business Ownership 2*		•	•
BUS110 Social Media Marketing*		•	•
BUS410 Intro to Business Communications 1*ǂ		•	•
BUS420 Intro to Business Communications 2*		•	•
BUS210 Professional Sales*		•	•
BUS300 Entrep. & Small Business*<		•	•
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*		•	•
Work Experience*"		•	•
Work Based Learning*		•	•

MARKETING: MARKETING COMMUNICATIONS	Full Year	FALL	SPRING
BUS130 Intro to Business Info Management*ǂ		•	•
BUS140 Business Info Management: Data Essentials*ǂ		•	•
BUS065 Marketing 1*ǂ		•	•
BUS075 Marketing 2*ǂ		•	•
BUS410 Intro to Business Communications 1*ǂ		•	•
BUS420 Intro to Business Communications 2*		•	•
BUS091 Sports and Entertainment Marketing 1*		•	•
BUS092 Sports and Entertainment Marketing 2*		•	•
BUS113 Accounting 1*		•	•
BUS114 Accounting 2*		•	•
BUS110 Social Media Marketing*		•	•
BUS100 Startups & Innovation*		•	•
ENG020 Summit Public Speaking*		•	•
ARTS, AV, COMMUNICATIONS: DIGITAL/VISUAL ARTS			
TCH028 Digital Arts 1*		•	•
TCH029 Digital Arts 2*		•	•
TCH035 Image Design & Editing*		•	•
TCH330 Digital Media: Illustrator*		•	•
TCH310 Digital Media: Photoshop*		•	•
TCH031 Digital Photography 1*		•	•
TCH032 Digital Photography 2*		•	•
TCH047 Web Design A/B ǂ		•	•
TCH370 Web Development A/B	•	•	•
TCH076 3D Modeling 1*		•	•
TCH077 3D Modeling 2*		•	•

< = New course for 25-26SY

•^ 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.

College & Career Prep Pathway Program Offerings (cont.)

IT: VIDEO GAME DESIGN	Full Year	FALL	SPRING
TCH220 Computer Science Principles*ǂ		•	•
TCH073 Video Game Design A/B ǂ	•	•	•
TCH110 Computer Science JavaScript I*		•	•
TCH174 Digital Media: Illustrator*		•	•
TCH381 Essentials in Cloud Computing *		•	•
TCH380 Computer Fundamentals*		•	•
TCH180 Intro to Game Design with p5Play*		•	•
TCH038 Animation A/B <		•	•
TCH175 Digital Media: Photoshop*		•	•
TCH342 Python Programming A/B	•	•	•
TCH500 AP® Computer Science Principles A/B^	•		
TCH510 AP® Computer Science A/B^	•		
IT: PROGRAMMING & SOFTWARE DEV			
TCH220 Computer Science Principles*ǂ		•	•
TCH200 Apple Swift App Development*		•	•
TCH342 Python Programming A/B	•	•	•
TCH323 Intro to Java Programming A/B	•	•	•
TCH520 Data Structures in C++ *		•	•
TCH521 Data Structures in C++ *		•	•
TCH380 Computer Fundamentals*		•	•
TCH500 AP® Computer Science Principles A/B^	•		
TCH510 AP® Computer Science A/B^	•		
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*"		•	•

ENGINEERING & STEM: ENGINEERING TECHNOLOGY	Full Year	FALL	SPRING
TCH120 Engineering Design & Presentation *		•	•
TCH130 Foundations of Engineering Science*		•	•
TCH140 Principles of Applied Engineering*		•	•
TCH150 Engineering Design *		•	•
TCH380 Computer Fundamentals*		•	•
TCH145 Data Science*		•	•
LAW: LEGAL SERVICES			
LAW110 Careers in Criminal Justice 1*		•	•
LAW111 Careers in Criminal Justice 2*		•	•
OTH091 Law and Order*		•	•
BUS410 Intro to Business Communications 1*ǂ		•	•
BUS420 Intro to Business Communications 2*		•	•
HST060 Sociology*		•	•
SCI030 Forensic Science*		•	•
TCH055 Web Communications*ǂ		•	•
HLT400 Fundamentals of Mental Health Care*		•	•
OTH039 Criminology*		•	•
LAW350 National Security*		•	•
ENG020 Public Speaking*		•	•
IT: Network Systems and Cybersecurity			
TCH055 Web Communications*ǂ		•	•
TCH109 Foundations of Digital Literacy*<		•	•
TCH380 Computer Fundamentals*		•	•
TCH332 Cloud & Cloud Security Found*<		•	•
TCH452 Machine Learning & Data Eng *<		•	•
TCH325 CompTIA Network + Certification *	•		
TCH462 CompTIA Security + Certification *	•		
TCH467 CompTia A+ Core 1*		•	•
TCH468 CompTia A+ Core 2*		•	•
TCH500 AP® Computer Science Principles A/B^		•	•
TCH510 AP® Computer Science A/B^	•		

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* = one-semester course (.5 credits)

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

College & Career Prep Pathway Program Offerings Cont.

	Full Year	FALL	SPRING
HEALTH SCIENCE: THERAPEUTICS			
HLT340 Professionalism in Allied Health*		•	•
HLT213 Medical Terminology 1*		•	•
HLT214 Medical Terminology 2*		•	•
SCI330 Anatomy and Physiology A/B	•	•	•
HLT420 Clinical Medical Assisting A/B	•	•	•
HLT230 Intro to Human and Social Services*<		•	•
HLT330 Medical Office Procedures and Admin*ŧ		•	•
HLT460 Sports Medicine Intro *		•	•
HTL461 Sprorts Medicine Preventing Injury *		•	•
HLT400 Fundamentals of Mental Health Care*		•	•
HLT442 Medical Scribe*		•	•
HEALTH SCIENCE: DIAGNOSTICS			
OTH092: Health Science I*		•	•
OTH094: Health Science II*		•	•
HLT310 Intro to Medical Diagnostic Tech*<		•	•
HLT320 Medical Tech: Systems and Procedures*<		•	•
HLT340 Professionalism in Allied Health*		•	•
HLT213 Medical Terminology 1*		•	•
HLT214 Medical Terminology 2*		•	•
SCI330 Anatomy and Physiology A/B	•	•	•
HLT472 Medical Lab Assisting *		•	•
HLT442 Medical Scribe*		•	•
HLT400 Fundamentals of Mental Health Care*		•	•
HLT480 Health Science Clinical*<		•	•

< = New course for 25-26SY

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

* = one-semester course (.5 credits)

ŧ = 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.

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® Computer Science A*	•		
AP® Computer Science Principles*	•		
AP® Human Geography*	•		

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

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.

Private Academy | 25-26 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	
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*	

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	
French I	
French II	
German I	
German II	
Spanish I	
Spanish II	
Spanish III	
American Sign Language I	
American Sign Language II	
Chinese I	
Chinese II	

* = 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

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25-26 CREDIT RECOVERY COURSE LIST

ENGLISH
English 9 CR
English 10 CR
American Literature CR
British and World Literature CR
SCIENCE
Earth Science CR
Biology CR
Chemistry CR
HISTORY and SOCIAL SCIENCES
World History CR
Modern World Studies CR
Geography CR
US History CR
US Government & Politics CR *
US and Global Economics CR *

MATH
Algebra I CR
Geometry CR
Algebra II CR
ELECTIVES
Spanish I CR
Fine Art CR
Personal Finance CR *

- All courses, unless otherwise noted, are two semesters and one credit.
- Course materials will be available in various physical and/or digital formats.
- Courses are available in Fall and Spring semesters.
- Represents a one-semester course *

2025-2026 Career & College Prep Pathways

To earn a pathway distinction, students must successfully complete 4 credits within their chosen discipline by the time of high school graduation.

Marketing Communications

TCH109 Foundations of Digital Literacy
BUS130 Intro to Business Management
BUS065 Marketing 1
BUS075 Marketing 2
BUS110 Social Media Marketing

Optional Electives:
BUS410 Business Communication 1
BUS420 Business Communication 2
BUS090 Sports and Entertainment Mktg 1
BUS091 Sports and Entertainment Mktg 2
BUS113 Accounting 1
BUS113 Accounting 2
ENG020 Public Speaking
BUS140 Business Info Mgmt: Data Essentials

Possible Certifications:
Precision Exams: Marketing 2
Precision Exams: Customer Service
Precision Exams: 21st Century Skills
Precision Exams: Business Office Specialist

Business: Management

TCH109 Foundations of Digital Literacy
BUS130 Intro to Business Management
BUS310 Intro to Management 1
BUS113 Accounting 1
BUS114 Accounting 2

Optional Electives:
BUS410 Business Communication 1
BUS420 Business Communication 2
BUS080 International Business
BUS110 Social Media Marketing
BUS140 Business Info Mgmt: Data Essentials
TCH177 Software Apps: Excel
OTH224 Project Management
BUS423 Principles of Banking & Finance A/B

Possible Certifications:
Precision Exams: Business Office Specialist
Precision Exams: Customer Service
Precision Exams: 21st Century Skills

Business: Entrepreneurship

TCH109 Foundations of Digital Literacy
BUS130 Intro to Business Management
BUS045 Entrepreneurship 1
BUS055 Entrepreneurship 2
BUS300 Entrepreneuship & Small Business

Optional Electives:
BUS410 Business Communication 1
BUS420 Business Communication 2
BUS430 Business Ownership 1
BUS421 Business Ownership 2
BUS110 Social Media Marketing
BUS210 Professional Sales
BUS140 Business Info Mgmt: Data Essentials
BUS423 Principles of Banking & Finance A/B

Possible Certifications:
Precision Exams: Entrepreneurship
Precision Exams: Business Office Specialist
Precision Exams: Customer Service
Precision Exams: 21st Century Skills

Arts, AV, Communications: Digital/Visual Arts

TCH109 Foundations of Digital Literacy
TCH028 Digital Art 1
TCH029 Digital Arts 2
TCH174 Digital Media: Illustrator
TCH175 Digital Media: Photoshop
TCH035 Image Design & Editing

Optional Electives:
TCH031 Digital Photography 1
TCH032 Digital Photography 2
TCH047 Web Design A/B
TCH370 Web Development A/B
TCH076 3D Modeling 1
TCH077 3D Modeling 2

Possible Certifications:
Precision Exams: Digital Media Advanced
Precision Exams: Desktop Publishing 2
Precision Exams: Customer Service
Precision Exams: 21st Century Skills

Engineering & STEM: Engineering & Technology

TCH120 Engineering Design & Presentation
TCH130 Foundations of Engineering Science
TCH140 Principles of Applied Engineering
TCH150 Engineering Design

Optional Electives:
TCH380 Computer Fundamentals
TCH145 Data Science
TCH452 Machine Learning & Data Engineering
TCH177 Software Apps: Excel
OTH224 Project Management

Possible Certifications:
Precision Exams: Engineering Principles II
Precision Exams: Customer Service
Precision Exams: 21st Century Skills

Professionalism & Leadership

TCH109 Foundations of Digital Literacy
ENG020 Summit Public Speaking
TCH410 Business Communications 1
BUS420 Business Communications 2
TCH171 Software Apps: PowerPoint
TCH172 Software Apps: Word
TCH177 Software Apps: Excel
HST350 Financial Literacy
WBL531 Work-Based Learning A/B

Optional Electives:
OTH033 Veterinary Science
OTH161 Early Childhood Education 1
OTH162 Early Childhood Education 2
OTH171 Culinary Arts 1
OTH172 Culinary Arts 2
HLT200 Nutrition and Wellness
AGR105 Agriscience 1: Introduction
HLT230 Intro to Human and Social Services

Possible Certifications:
Precision Exams: Business Office Specialist
Precision Exams: Customer Service
Precision Exams: 21st Century Skills
Precision Exams: Personal Finance

Select Dual Enrollment courses may also be applied towared pathway completion.

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Suggested elecitves for all pathways: TCH109 Foundations of Digital Literacy, TCH171 PowerPoint, TCH172 Word, TCH 177 Excel

2025-2026 Career & College Prep Pathways

To earn a pathway distinction, students must successfully complete 4 credits within their chosen discipline by the time of high school graduation

Health Science: Patient Health Therapeutics

OTH092 Health Science I
OTH094 Health Science II
HLT213 Medical Terminology 1
HILT214 Medical Terminology 2
SCI330 Anatomy & Physiology A/B
HLT480 Health Science Clinical A/B

Optional Electives:
HLT420 Clinical Medical Assisting A/B
HLT330 Medical Office Procedures & Admin
HLT460 Sports Medicine: Intro
HLT461 Sports Medicine: Preventing Injury
HLT400 Fundamentals of Mental Health Care
HLT442 Medical Scribe
HLT430 Introduction to Pharmacology
HLT340 Professionalism in Allied Health
HLT200 Nutrition and Wellness
HLT230 Intro to Human and Social Services

Possible Certifications:
Precision Exams: Medical Terminology
Precision Exams: Medical Anatomy & Physiology
Precision Exams: Behavioral Health
MedCerts: National Health Science Certificate

Health Science: Diagnostics

OTH092 Health Science I
OTH094 Health Science II
HLT213 Medical Terminology 1
HILT214 Medical Terminology 2
SCI330 Anatomy & Physiology A/B
HLT310 Intro to Medical Diagnostic Technology
HLT320 Medical Tech: Systems and Procedures

Optional Electives:
HLT400 Fundamentals of Mental Health Care
HLT442 Medical Scribe
HLT430 Introduction to Pharmacology
HLT340 Professionalism in Allied Health
HLT200 Nutrition and Wellness
HLT230 Intro to Human and Social Services
SCI030 Forensic Science
HLT472 Medical Lab Assisting

Possible Certifications:
Precision Exams: Medical Terminology
Precision Exams: Medical Anatomy & Physiology
Precision Exams: Behavioral Health
MedCerts: National Health Science Certificate

Law: Law & Legal Services

LAW110 Careers in Criminal Justice 1
LAW111 Careers in Criminal Justice 2
OTH091 Law and Order
OTH039 Criminology
LAW350 National Security
HST060 Sociology

Optional Electives:
SCI030 Forensic Science
HLT400 Fundamentals of Mental Health Care
ENG020 Public Speaking
BUS410 Business Communications 1
BUS420 Business Communications 2

Possible Certifications:
Precision Exams: Criminal Justice 2
Precision Exams: Criminal Justice Fundamentals and Law Enforcement
Precision Exams: Behavioral Health
Precision Exams: Customer Service
Precision Exams: 21st Century Skills

IT: Video Game Design

TCH220 Computer Science Principles
TCH073 Video Game Design A/B
TCH110 Intro to JavaScript (Alg 1 Pre-Req) A/B
TCH174 Digital Media: Illustrator
TCH432 Cloud Computing A/B

Optional Electives:
TCH380 Computer Fundamentals
TCH180 Intro to Game Design with p5play
TCH083 Animation A/B
TCH175 Digital Media: Photoshop
TCH342 Python Programming A/B
TCH500 AP Computer Science Principles A/B
TCH510 AP Computer Science A/B
TCH452 Machine Learning & Data Engineering
TCH332 Cloud Security Foundations

Possible Certifications:
Precision Exams: Computer Programming 2 - Java
Precision Exams: Computer Programming 2 - Python
Precision Exams: Digital Media - Advanced
Precision Exams: Desktop Publishing 2

IT: Programming & Software Development

TCH220 Computer Science Principles
TCH220 Apple Swift App Development
TCH342 Python Programming A/B
TCH323 Intro to Java Programming A/B
TCH520 Data Structures in C++ 1
TCH521 Data Structures in C++ 2

Optional Electives:
TCH380 Computer Fundamentals
TCH500 AP Computer Science Principles A/B
TCH510 AP Computer Science A/B

Possible Certifications:
Precision Exams: Computer Programming 2 - Java
Precision Exams: Computer Programming 2 - Python
Precision Exams: Computer Programming 2 - C++

IT: Network Systems & Cybersecurity

TCH055 Web Communications
TCH380 Computer Fundamentals
TCH325 CompTIA Network+ Certification A/B
TCH426 CompTIA Secutiry + Certificaiton A/B
TCH467 CompTIA A+ Core 1
TCH469 CompTIA A+ Core 2

Optional Electives:
TCH500 AP Computer Science Principles A/B
TCH50 AP Computer Science A/B

Possible Certifications:
Precision Exams: Network Fundamentals
Precision Exams: 21st Century Skills
Precision Exams: Customer Service

Select Dual Enrollment courses may also be applied toward pathway completion.

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Suggested elecitves for all pathways: TCH109 Foundations of Digital Literacy, TCH171 PowerPoint, TCH172 Word, TCH 177 Excel

**All courses are subject to change due to vendor availability.

At this time, the United States has an embargo on the provision of certain products and services in the countries listed below that encompasses those provided by K12. As such, K12 is prohibited from entering into transactions with residents or resident companies from Crimea Region Western Balkans, Belarus, Central Africa, Cuba, Democratic Republic of the Congo, Iran, Iraq, Lebanon, Libya, North Korea, Venezuela, Yemen, Zimbabwe. Additionally, K12 cannot enroll students from certain countries, including Austria, Germany, Poland, Belgium, Greece, Portugal, Bulgaria, Hungary, Romania, Croatia, Ireland, Slovakia, Cyprus, Italy, Slovenia, Czech Republic, Latvia, Spain, China, Denmark, Lithuania, Sweden, Estonia, Luxembourg, United Kingdom, Finland, Malta, France, Netherlands, India, Norway, Iceland, or Liechtenstein.

K12 Inc.'s corporate name change to Stride, Inc. is effective as of December 16, 2020. Stride trades on the NYSE under the symbol LRN.