



Private Academy

2026 – 2027 | 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	English	English Language Arts 2 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 learning 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	English	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	English	ELA 4 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 in 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	English	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	Math	Math 2 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 2 includes the tools and technology that students need to succeed. 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, 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 increase 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 increase 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 increase 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	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 increase 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	History	Second graders experience a broad introduction to social studies and build a base for future learning. Students expand their map skills by using maps, including scale, direction, and location, reading maps, and drawing 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	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 adapt 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	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 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 can 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 II	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 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
Math 1
Math 2 Summit
Math 3 Summit
Math 4 Summit
Math 5 Summit
SCIENCE
Science K
Science 1
Science 2
Science 3
Science 4
Science 5
HISTORY/SOCIAL SCIENCES
Social Studies K Summit
Social Studies 1 Summit
Social Studies 2 Summit
Social Studies 3 Summit
American Studies 4 Summit
History of the United States
WORLD LANGUAGES
Elementary Spanish I (K-2)
Elementary Spanish II (3-5)
Elementary Chinese I (K-2)
Elementary Chinese II (3-5)

ART
Art K
Art 1
Art 2
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.

* Designates an updated course

** Designates a new course for 2627SY

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
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

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
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
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 II 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
INTERMEDIATE AMERICAN ART I +	Art	ART06 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
INTERMEDIATE WORLD ART II +	Art	ART07 Intermediate World Art I lesson includes 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
INTERMEDIATE WORLD ART III +	Art	ART08 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: One Semester

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	World Language	In French I, 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. 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: Two Semesters
MIDDLE SCHOOL FRENCH 2	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: Two Semesters

MIDDLE SCHOOL GERMAN I	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. 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: Two Semesters
MIDDLE SCHOOL GERMAN 2	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: Two Semesters
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
TCH08E2: Computer Literacy	Career Readiness	Computer Literacy is a one-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
TCH201: Explorers: Understanding AI **	Tech Electives	In this course, students will have a chance to explore key aspects of Artificial Intelligence, including machine learning, large language models, bias in models, and the impacts they have on our society. Students will have a chance to engage with multiple AI tools throughout the course, such as ChatGPT, Gemini, and Copilot. Course Length: One Semester
Middle School Photography A/B*	Electives	TCH005ADE2 and TCH005BDE2 Middle School Photography are 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
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

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.

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

Health & PE
Health 6+
Health 7+
Health 8+
Physical Fitness 6+
Physical Fitness 7+
Physical Fitness 8+
ART
Intermediate American Art II +
Intermediate World Art I +
Intermediate World Art II +
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 +
Middle School Computer Literacy +
Middle School Photography A +
Middle School Photography B +
Explorers Understanding AI<+
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.

< = New course for 26-27SY

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

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

HIGH SCHOOL 9-12

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

English	4 credits
Math	4 credits (Algebra 1 and higher)
Science	4 credits (must include 2 lab science credits)
History and Social Sciences	4 credits (must include 1 credit of U.S. History)
World Languages	2 credits (must be 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 last two 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.

* Designates an updated course

** Designates a new course for 2627SY

Course Name	Subject	Course Description
ENG108E2: 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: ENGLISH 9 HONORS	English Core	The 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: ENGLISH 10	English Core	The 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: English 9 (or equivalent)
ENG209AE4: ENGLISH 10 HONORS	English Core	The English 10 Honors course includes engaging and interactive instruction about reading, writing, speaking, and listening, and language, with a focus on exploring a wide variety of genres and their elements. Students learn how to carefully read, interpret, and analyze literature and nonfiction works of cultural or historical significance appropriate to Grade 10. Throughout the course, students practice narrative, informative, and argument writing. Students also develop and deliver presentations and participate in discussions with their peers. This course includes all the topics in English 10, as well as an independent honors project in each Semester. Course Length: Two Semesters Prerequisite English 9 Honors (or equivalent) and teacher/school counselor recommendation
ENG303ADE4: 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: English 10 (or equivalent)
ENG304ADE4: 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: 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: English 10 Honors (or equivalent or 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 English 10 Honors (or equivalent) or American Literature Honors (or equivalent), and teacher/school counselor recommendation
ENG510AE2: AP® ENGLISH LITERATURE AND COMPOSITION	English Core	AP® English Literature and Composition immerse 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 is 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 English 10 Honors (or equivalent) or American Literature Honors (or equivalent), and teacher/school counselor recommendation

MTH128: ALGEBRA I	Math Core	The 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: ALGEBRA 1 HONORS	Math Core	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: 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: GEOMETRY HONORS	Math Core	This 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: ALGEBRA II	Math Core	This 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: 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: 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: 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. 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: 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: 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: 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: 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: 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: CHEMISTRY	Science Core	This comprehensive course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermo chemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, laboratories, and related assessments, used with a problem-solving book. Course Length: Two Semesters Prerequisites: Satisfactory completion of either K12 Middle School Physical Science or Physical Science and a solid grasp of algebra basics, evidenced by success in Algebra I (or equivalents)
SCI304E3: CHEMISTRY HONORS	Science Core	This advanced course gives students a solid basis to move on to more advanced courses. The challenging course surveys all key areas, including a too mic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry, enhanced with challenging model problems and assessments. Students complete community- based written research projects that treat aspects of chemistry that require individual research and reporting and participate in online threaded discussions. Course Length: Two Semesters Prerequisites: Success in previous science course. or Honors Algebra I (or equivalent); and teacher/school counselor recommendation
SCI403: 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 Physics
SCI404: 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 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 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. AP Biology builds students' understanding of biology on both micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. 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 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 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 with increasingly 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 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: 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	Anatomy and Physiology, Semester A, is the first part of a two-semester course. The course begins with an overview of the organization and structure of the human body. You will learn to interpret common medical terminology. In addition, you will describe the structures and functions of cells and tissues. You will also learn about cardiovascular, immune, respiratory, digestive, and renal/urinary systems and common diseases and disorders associated with these systems. Students will be able to do the following: Differentiate the structures of various body systems. Use appropriate technical terms related to anatomy and physiology. Analyze the functions of human cells and body systems. Evaluate diseases, illnesses, and other challenges related to different body systems. Discover treatment options for issues with body systems. Semester B, is the second part of a two-semester course that builds on the foundational knowledge from Semester A. This course delves deeper into some of the human body systems, focusing on the nervous, integumentary, musculoskeletal, endocrine, and reproductive systems. You will explore the anatomy and physiology of these systems, including their structures, functions, and common diseases or disorders. The course also emphasizes the integration of this knowledge with health science careers, offering a comprehensive understanding of how these systems are studied and applied in professional contexts. Additionally, you will engage in activities that involve research, discussion, and projects to solidify your understanding and application of the material. Students will be able to do the following: Examine the structure and functions of human body systems. Examine the processes of a human life cycle like fetal development, birth, maturation, and aging. Assess health careers and recent advances in science and medicine. Course Length: Two Semesters Prerequisites: SCI203 Biology
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: 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
HST104: WORLD HISTORY HONORS	History Core	In this challenging survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement World History: Our Human Story, a textbook written and published by K¹². Students are challenged to consider topics in depth as they analyze primary sources and maps, create timelines, and complete other projects—practicing advanced historical thinking and writing skills as they explore the broad themes and big ideas of human history. Students complete an independent honors project each semester. Course Length: Two Semesters

HST203: MODERN WORLD STUDIES	History Core	In this comprehensive course, students follow the history of the world from approximately 1870 to the present. They begin with a study of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students examine both the problems and accomplishments of the twentieth century, with a focus on political and social history. Students also explore topics in physical and human geography and investigate issues of concern in the contemporary world from multiple perspectives. Online lessons help students organize their studies, explore topics, review in preparation for assessments, and practice sophisticated skills of historical thinking and analysis. Activities include analyzing primary sources and maps, connecting past historical events to current events, and completing projects. Course Length: Two Semesters
HST204: MODERN WORLD STUDIES HONORS	History Core	In this advanced course, students investigate the history of the world from approximately 1870 to the present. They begin with an analysis of events leading up to 1914, including the Second Industrial Revolution and the imperialism that accompanied it. Their focus then shifts to the contemporary era, including two world wars, the Great Depression, and global Cold War tensions. Students undertake an in-depth examination of both the staggering problems and astounding accomplishments of the twentieth century, with a focus on political and social history. Students also explore advanced topics in physical and human geography and investigate issues of concern in the contemporary world. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting research. Students complete independent projects each semester. Course Length: Two Semesters
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 reading 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: 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: 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

HST355: Financial Literacy Fundamentals	History Elective	This course introduces students to the core principles of personal finance, helping them build the knowledge and skills needed to make sound financial decisions. It begins with an in-depth look at credit—what it is, how credit scores are determined, and how to interpret credit reports. Students will also explore the concept of creditworthiness and its impact on financial opportunities. The budgeting unit teaches students how to manage income, track spending, and create effective budgets. As the course progresses, students will examine how to manage debt responsibly, including understanding interest rates and exploring strategies for reducing debt. They will also learn the value of saving and investing, with a focus on compound interest and different savings options. The course covers several tax concepts, such as taxes, paycheck deductions, and filing tax returns. Students also learn about responsible money use, comparing payment methods, and understanding credit card use. The course concludes with a unit on financial planning, where students learn to set SMART goals and learn about the steps needed for financial success. Throughout the course, graded assignments, quizzes, and unit and semester tests assess student understanding of the various course concepts and topics. Course Length: One Semester
HST403: U.S. GOVERNMENT AND POLITICS	History Core	Students study the history, organization, and functions of the U.S. government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and their governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court. They analyze current and historical issues from multiple points of view to practice and deepen their critical thinking skills. Course Length: One Semester Prerequisite: U.S. History (or equivalent) is recommended, but not required
HST413: U.S. AND GLOBAL ECONOMICS	History Core	In this course on economic principles, students explore the choices they face as producers, consumers, investors, and taxpayers. Students apply what they learn to real-world simulation problems. Topics of study include markets from historic and contemporary perspectives; supply and demand; theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; money (what it is, how it evolved, and the roles of banks, investment houses, and the Federal Reserve); Keynesian economics; how capitalism functions, focusing on productivity, wages, investment, and growth; issues of capitalism, such as unemployment, inflation, and the national debt; and the effects of globalization. Students also refine their critical thinking skills by analyzing economic issues from multiple perspectives. Course Length: One Semester Prerequisite: U.S. Government and Politics (or equivalent) is recommended, but not required

HST500: AP® U.S. HISTORY	History Core	Students explore and analyze the economic, political, and social transformation of the United States since the time of the first European encounters. Students are asked to master not only the wide array of 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 will learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They will 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 will 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: Algebra 2 Honors (or equivalent); and teacher/school counselor recommendation
HST530E3: AP® MICROECONOMICS	History Core	AP Microeconomics 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 will 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
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 will 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: 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: 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 in Spanish I focus on the four key areas of world language study: listening, speaking, reading, and writing. Spanish I represents an ideal blend of language-learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their 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 during which their language progression can be monitored. The course has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL). Students explore greetings; school; the alphabet; adjectives; colors; countries; numbers; telling time; -ir, -er, and -ar verbs; days, months, and seasons; hobbies and pastimes, food, food, family, places, animals, shopping, and weather. 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 also start to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand intermediate 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 and perspectives of various Spanish-speaking countries, and take assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by the American Council on the Teaching of Foreign Languages (ACTFL). Students explore professions, clothing, the home, the body, reflexive verbs, cognates and numbers, vacations, the telephone, directions, transportation, medical words, sports, the outdoors, travel words, and vocabulary associated with computers. Course Length: Two semesters Prerequisites: WLG100: Spanish I

WLG300: SPANISH III	World Language	Students further their understanding of Spanish by focusing on the four key areas of world language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concepts, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices that reinforce vocabulary and grammar. These activities teach students to communicate with others through informal speaking and writing interactions and to express their thoughts and opinions in both formal and informal spoken and written contexts. Students should expect to be actively engaged in their own language learning, use correct vocabulary terms and phrases naturally, and incorporate a range of grammar concepts consistently and correctly while speaking and writing. They should also expect to participate in conversations covering a range of topics; 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 so that their language progression can be monitored. The course is conducted entirely in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). Students explore verbs, false cognates, nature, vacation, music, technology, measurement, clothing words, work, shopping and money words, expressions with por and para, relationship, love, social issues, and idioms and expression words. Course Length: Two Semesters Prerequisites: WLG200: Spanish II
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

WLG150: AMERICAN SIGN LANGUAGE I	World Language	Did you know that American Sign Language (ASL) is the third most 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 instruct 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: WLG150: ASLI
WLG110: FRENCH I	World Language	In French I, 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: Two Semesters
WLG210: FRENCH 2	World Language	In French 2, 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. 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: Two Semesters Prerequisites: WLG200: French I
WLG120: GERMAN I	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. 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: Two Semesters

WLB220: GERMAN 2	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: Two semesters Prerequisites: WLG120: German I
BUSINESS MANAGEMENT ELECTIVES		
HST355: Financial Literacy Fundamentals	Business Mgmt. Elective	This course introduces students to the core principles of personal finance, helping them build the knowledge and skills needed to make sound financial decisions. It begins with an in-depth look at credit—what it is, how credit scores are determined, and how to interpret credit reports. Students will also explore the concept of creditworthiness and its impact on financial opportunities. The budgeting unit teaches students how to manage income, track spending, and create effective budgets. As the course progresses, students will examine how to manage debt responsibly, including understanding interest rates and exploring strategies for reducing debt. They will also learn the value of saving and investing, with a focus on compound interest and different savings options. The course covers several tax concepts, such as taxes, paycheck deductions, and filing tax returns. Students also learn about responsible money use, comparing payment methods, and understanding credit card use. The course concludes with a unit on financial planning, where students learn to set SMART goals and learn about the steps needed for financial success. Throughout the course, graded assignments, quizzes, and unit and semester tests assess student understanding of the various course concepts and topics. Course Length: One Semester
BUS430: ENTREPRENEURSHIP *	Business Mgmt. Electives	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 will learn the skills you will need to achieve your dream and transform it into a successful business. You will explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You will 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 us get goaling! Course Length: One Semester
BUS300: Entrep. & Small Business *	Business Mgmt. Electives	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
BUS210: Marketing, Advertising, & Sales *	Business Mgmt. Electives	This course will cover various marketing functions, product planning, advertising operations, and the process of selling. Students will: Examine the role and structure of financial statements and types of business firms. Evaluate the intersection of marketing and advertising, and key tools for marketing success. Analyze the evolution of product design and the impact of marketing research. Interpret the advertising process and its intersection with selling and pricing mechanisms. Measure the impact of economic theory on marketing and sales. Assess various careers across the industry, including related professional skills and workplace ethics. This course will cover various marketing functions, product planning, advertising operations, and the process of selling. Students will: Examine the role and structure of financial statements and types of business firms. Evaluate the intersection of marketing and advertising, and key tools for marketing success. Analyze the evolution of product design and the impact of marketing research. Interpret the advertising process and its intersection with selling and pricing mechanisms. Measure the impact of economic theory on marketing and sales. Assess various careers across the industry, including related professional skills and workplace ethics. Course Length: Two Semesters

BUS090: SPORTS & ENTERTAINMENT MARKETING *	Business Mgmt. Electives	This course covers fundamental concepts in sports, entertainment, and recreation marketing. It also covers essential skills related to advertising, sponsorship, and marketing campaigns. In addition, the course covers crucial workplace skills, such as teamwork and leadership skills. Course Length: One Semester
BUS091: SPORTS AND ENTERTAINMENT MARKETING 2	Business Mgmt. Electives	Get ready to drop your spectator status for an all-access pass to enter the exciting world of sports and entertainment marketing! In this course, you will secure a solid foundation of effective marketing by studying the different roles and levels and how they relate to one another. Then, you will explore the modern marketing methods professionals use to take on an event concept and make it successful. Finally, you will get up to speed on industry terminology and touchpoints with the help of HR. Get ready to flash that pass and gain all-star access to the stage and arena! 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
BUS110: SOCIAL MEDIA MARKETING	Business Mgmt. Electives	Whether it is 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
TECHNOLOGY AND COMPUTER SCIENCE ELECTIVES		
COM210: Digital and Interactive Media A/B	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 have 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: Two Semesters

TCH031E2: Professional Photography*	Tech Electives	This course will cover various topics in photography, such as history of photography, types of photography, types of cameras, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos. Semester B will cover various topics in photography, such as camera exposure settings, portrait photography, advertising photography, architectural photography, photographic special effects, retouching photographs, restoring old photographs, analog photography, darkroom equipment and development, safety procedures, evaluating photographs, stages of production, and photography portfolio. Course Length: One Semester
TCH032E2: Professional Photography 2 *	Tech Electives	This course will cover various topics in photography, such as history of photography, types of photography, types of cameras, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos. Semester B will cover various topics in photography, such as camera exposure settings, portrait photography, advertising photography, architectural photography, photographic special effects, retouching photographs, restoring old photographs, analog photography, darkroom equipment and development, safety procedures, evaluating photographs, stages of production, and photography portfolio. Course Length: One Semester
TCH035: Graphic Design & Illustration*	Tech Electives	Semester A covers careers you can pursue in graphic design. It also covers training and skills required for a graphic designer. In addition, this course describes how to create images using color and typography and how to manipulate images. It also guides you how to create images using design elements and principles. Finally, this course covers copyright laws and ethics related to the use of graphic design. You will submit the Unit Activity documents to your teacher, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. Students will be able to do the following: Evaluate the skills necessary for a graphic design career and how to demonstrate them. Examine how to perform basic hardware installations. Apply graphic design skills such as color-balancing techniques, manipulating an image, and using design layouts. Apply creativity and design elements to graphic design products. Perform image editing, such as adjusting hue, saturation, contrast, and brightness. Create images demonstrating design elements and principles. Semester B will cover the advanced manipulation of images. It will guide you on how to create graphic products such as logos, posters, and magazine covers. This course also covers multimedia and digital photography. In addition, the course covers art criticism in graphic artwork, digital publishing, and the creation of graphic design portfolio. You will submit the Unit Activity documents to your teacher, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. Students will be able to do the following: Use advanced image-editing software tools to edit and manipulate images as part of graphic design products. Apply creativity and design elements to graphic design products. Create a graphic design portfolio with examples of graphic design products created during the course. Contrast original and manipulated graphic design images to appraise their differences. Produce a magazine brand, including a logo and cover. Analyze the characteristics and applications of digital media, including the role of graphics in multimedia and the principles of art criticism. Compare design elements from several brand campaigns. Course Length: Two Semesters
TCH076: 3D MODELING 1	Tech Electives	Semester B will cover the advanced manipulation of images. It will guide you on how to create graphic products such as logos, posters, and magazine covers. This course also covers multimedia and digital photography. In addition, the course covers art criticism in graphic artwork, digital publishing, and the creation of graphic design portfolio. You will submit the Unit Activity documents to your teacher, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. Course Length: One Semester

TCH077: 3D MODELING 2	Tech Electives	Use advanced image-editing software tools to edit and manipulate images as part of graphic design products. Apply creativity and design elements to graphic design products. Create a graphic design portfolio with examples of graphic design products created during the course. Contrast original and manipulated graphic design images to appraise their differences. Produce a magazine brand, including a logo and cover. Analyze the characteristics and applications of digital media, including the role of graphics in multimedia and the principles of art criticism. Compare design elements from several brand campaigns. Course Length: One Semester
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 is 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 us 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
TCH105E2: COMPUTER LITERACY	Tech Electives	In this introductory course, students become familiar with the basic principles of a personal computer, including the internal hardware, operating system, and software applications. Students gain practice in using key applications such as word processing, spreadsheet, and presentation software, as well as understand social and ethical issues around the Internet, information, and security. Course Length: One Semester
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: Robotics 1A*	Tech Electives	Robotics 1A is a one-semester course that explains various concepts related to robotics. This course begins by describing the evolution and applications of robotics. This course helps you identify career opportunities and important employability skills in robotics. You will explain the importance of teamwork and describe the skills needed to work in a team. You will describe Newton's laws of motion and their applications in robotics. You will describe basic concepts of electricity, electronic circuits, Boolean algebra, magnetism, and their applicability to robotics. You will apply safety procedures and construct a simple robot. Course Length: One Semester
TCH162: Robotics 1B*	Tech Electives	Robotics 1B addresses more advanced concepts related to robotics. This course begins by describing the importance of project management in the success of a project. You will describe the steps of the engineering design process. You will identify the use of software to control robots. You will create a robotic arm. You will describe the ethics and laws related to robotics. You will create a robot using programming. This course covers how to test and maintain a robotic system. This course also covers how to create and present a proposal for a robot. Course Length: One Semester

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	- o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). - o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. - o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. - o All courses are aligned with current industry-based certifications and test prep is included. Course Length: One Semester
TCH342E2: PYTHON PROGRAMMING 1	Tech Electives	TCH342 Python Programming 1 is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the first course in a two-course sequence and should be completed before TCH343 Introduction to Python Programming 2. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free response questions that have students consider the applications of programming and incorporate examples from their own lives. Course Length: One Semester

TCH343E3: PYTHON PROGRAMMING 2	Tech Electives	TCH343 Python Programming 2 is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. It is the second course in a two- course sequence and should be completed after TCH342 Introduction to Python Programming 1. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free- response questions that have students consider the applications of programming and incorporate examples from their own lives. Course Length: One Semester Prerequisite: TCH342 Python Programming 1
TCH370: WEB DEVELOPMENT	Tech Electives	The Web Development Capstone Course is intended to teach students the fundamentals of development in a project-based learning environment. Students will be taught the basic elements of web development, such as web hosting, file organization, and incorporating JavaScript into HTML files. Over the course of the school will collaboratively and independently design, develop and implement functional and responsive webpages using these foundational skills. Course Length: Two Semesters
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
TCH150ADE2: Found of Cybersecurity **	Tech Electives	In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, law, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free response prompts. This is not a coding intensive course, but students will learn basic SQL and will utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts. 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 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
CAREER TECHNICAL EDUCATION ELECTIVES		
AGR105: Agriscience 1: Introduction	Tech Ed Electives	The word "agriculture" often evokes images of farms, fields, and livestock, and while all these representations are correct and essential, the field of Agriculture is so much more! In Agriscience I: Introduction, you will 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 us get growing! 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
OTH033: INTRO TO VETERINARY SCIENCE*	Tech Ed Electives	In the Introduction to Veterinary Science course, you will explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. You will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, you will learn about zoonotic diseases, and the impact of toxins and poisons on animal health. Students will: Trace historical events and current trends in veterinary science. Understand academic competencies, skills requirements, and licensing in the veterinary industry. Explain the principles of animal anatomy and physiology. Explain how to evaluate the health of animals. Discuss musculoskeletal disorders and infectious and noninfectious diseases. Demonstrate methods to detect and prevent diseases in animals. Discuss zoonotic diseases and their impact on public health. Explain the impact of toxins and poisons on animal health. Course Length: One Semester
OTH171: CULINARY ARTS 1*	Tech Ed Electives	Culinary Arts 1 is a one-semester course that is intended to help you gain an understanding of the history and development of culinary arts. This course covers the basics of nutrition, health, safety, and sanitation. In addition, the course explains the basic science principles used in cooking and various cooking methods. Finally, the course describes culinary skills required to make a variety of items, ranging from stocks and soups to seafood and poultry to various breads and desserts. Course Length: One Semester

OTH172: CULINARY ARTS 2*	Tech Ed Electives	Culinary Arts 2 is a one-semester course that is intended to help you gain an understanding of menu planning, food presentation, and different service styles. This course covers the running of food service establishments and kitchen management skills. In addition, the course explains the personal skills and professional traits needed in the food service industry. Finally, the course covers career opportunities and career management skills. Course Length: One Semester
SCI020: INTRO TO ASTRONOMY*	Tech Ed Electives	In Introduction to Astronomy, you will learn about the history of astronomy from ancient times to modern times. You will identify the movements of the Sun, Moon, planets, and stars across the sky. You will describe the formation of the solar system, and the role of the Sun and Moon in the solar system. You will describe the causes of seasons on Earth and the reasons for life on Earth. You will learn about stars, galaxies, and the Milky Way. You will explain various theories of cosmology, and advantages and disadvantages of space exploration. 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 the industry. Course Length: One Semester
OTH350: Food Handler & Mgr. Cert **	Business Mgmt. Electives	The Food Handler and Food Manager Certifications course is a single-semester course designed to help you learn what you need to know to be successful in competency examinations for certified food handlers and food managers. Students will be able to do the following: Identify various causes of foodborne illness. Explain how different types of pathogens contaminate food. Identify the five behaviors that lead to food contamination. Identify practices that help prevent cross-contamination while purchasing, receiving, storing, and prepping food. Describe ways to prevent allergic reactions to certain foods. Explain how good hand hygiene, correct use of gloves, effective grooming, wound treatment, and other hygiene practices help prevent food contamination and foodborne illnesses. Explain how to use time and temperature control to keep food safe. Identify ways to ensure food safety when purchasing, receiving, storing, prepping, cooking, and holding food. Identify safe methods for cooling, reheating, and serving food. Explain how cleaning and sanitizing surfaces and equipment helps protect food from contamination. Explain how effective dishwashing is important for ensuring food safety. Describe procedures to ensure a clean facility and for integrated pest management. Describe the role of a manager in ensuring food safety. Describe the laws and regulations that relate to food safety. Explain the importance of proper facility design and choice of equipment in ensuring food safety. 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

ART ELECTIVES		
ART010: 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: 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: 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	This one-semester elective course is intended as a practical, hands-on guide to introduce you to the field of sociology. You will explore the evolution of sociology as a distinct social science, learn about sociological concepts and processes, and discuss how the individual relates to society. You will also learn about the influence of culture, social structure, socialization, and social change today. Students will be able to do the following: Describe the development of sociology as a distinct discipline and compare the different schools of thought in sociology. Explain sociological concepts and processes and analyze the effects of industrialization. Identify and describe different types of societies. Identify leading sociologists and describe their contributions to the field of sociology. Identify the elements of culture, compare cultural norms, and analyze the relationship between culture and society. Explain the process of socialization and describe the various life stages. Explain the influence of the social institution of family on society. Course Length: One Semester

OTH095: MYTHOLOGY AND FOLKLORE*	Art Electives	In Mythology and Folklore, you will describe myths related to the creation of the world, the natural elements, and the destruction of the world. You will identify the main characters of various dynastic dramas, love myths, and epic legends and describe their journeys. You will trace the evolution of folklore and describe folktales from around the world. Students will be able to do the following: Assess and examine various myths, legends, and folklore. Evaluate the importance of mythology in various cultures and identify the characteristics and supernatural powers of various gods and goddesses in classical mythology. Examine various myths related to the creation and destruction of the world. Analyze myths related to various natural elements and events. Identify the protagonists of various dynastic dramas and examine their struggles. Identify the prominent characters involved in the Trojan War and examine their struggles during the conflict. Analyze how Odysseus triumphs over various obstacles and perils on his journey back home from Troy. Analyze the different stages of a hero cycle and examine the qualities and virtues embodied by the heroes in various stories. Illustrate the adventures of various heroes and evaluate how they defeat the monsters they encounter on their journeys. Analyze various myths about love involving gods, goddesses, and mortals. Identify the main characters in the legends of King Arthur and Robin Hood and illustrate their roles in these British legends. Identify various stories involving legendary monsters, places, and people. Evaluate the evolution of folklore and identify various folktales from around the world. Identify the main characters of various fairy tales and identify their roles. Identify the roles of tricksters in various myths, legends, and folklore. Course Length: One Semester
OTH031: ARCHEOLOGY	Art Electives	This one-semester course is intended as an engaging and practical survey of the field of archeology. This course consists of 14 lessons organized into five units, five Course Activities, and five discussions. Each lesson contains one or more Lesson Activities. You will grade your work in the Lesson Activities by comparing it to sample responses. You will submit the Course Activities to your teacher for grading. Course Length: One Semester
OTH036: GOTHIC LITERATURE	Art Electives	This one-semester course is intended to familiarize you with the different conventions, themes, and elements of Gothic literature through the analysis of representative literary works. The course discusses classics such as Mary Shelley's novel <i>Frankenstein</i>, Ann Radcliffe's novel <i>Sicilian Romance</i>, Nathaniel Hawthorne's novel <i>The Scarlet Letter</i>, Robert Louis Stevenson's Gothic novella <i>Strange Case of Dr. Jekyll and Mr. Hyde</i>, and Bram Stoker's <i>Dracula</i>. It also analyzes Edgar Allan Poe's Gothic short stories, Robert Browning's Gothic poems, and Emily Dickinson's poems about death, mortality, and spirituality. Finally, you get a glimpse of Matthew Lewis and Percy Bysshe Shelley's Gothic dramas, learn about Gothic parodies and Gothic subgenres and discuss contemporary Gothic literature. This course has 12 lessons, 5 Course Activities, and 5 discussions. Each lesson contains one or more Lesson Activities. You will grade your work in the lesson activities by comparing them with sample responses. You will submit the course activities to your teacher for grading. Course Length: One Semester
COM230: INTRO TO JOURNALISM 1	Art 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	Art 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 author 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	Art 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, vet 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
HEALTH SCIENCE ELECTIVES		
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 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 pathology, diagnostic, and treatment procedures. Course Length: One Semester Prerequisite: HLT213 Medical Terminology 1
OTH161: Prin of Education & Training 1*	Health Science Electives	This one-semester course is intended to help familiarize you with career opportunities in the education and training career cluster. This course covers career opportunities in the three pathways in the education and training cluster— administration, education, and professional support. In addition, the course covers personal and professional skills that are necessary for a career in this field. Semester B explains child development, health, nutrition, and safety requirements for children. In addition, the course covers teaching strategies as well as technologies that can aid educators. Course Length: One Semester
OTH162: Prin of Education & Training 2*	Health Science Electives	This one-semester course is intended to help familiarize you with career opportunities in the education and training career cluster. This course covers career opportunities in the three pathways in the education and training cluster— administration, education, and professional support. In addition, the course covers personal and professional skills that are necessary for a career in this field. Semester B explains child development, health, nutrition, and safety requirements for children. In addition, the course covers teaching strategies as well as technologies that can aid educators. Course Length: One Semester
HLT200: Nutrition and Wellness	Health Science Electives	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 will 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
STUDENT DEVELOPMENT ELECTIVES		
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
OTH100: Power of Knowing: Know Yourself	Student Development Electives	Power of Knowing is a four-course Social Skills program designed to help high school students develop self-awareness, communication skills, and decision-making abilities needed to navigate relationships, digital environments, and future opportunities. The curriculum uses modern, real-world scenarios that reflect the challenges students face today, including social media influence, financial decisions, peer relationships, and future planning. Through reflection, discussion, and scenario-based learning, students practice evaluating choices and understanding consequences in meaningful contexts. Courses can be delivered synchronously through guided discussion or asynchronously through structured reflection activities and journaling. The program helps students build practical skills that support personal growth, responsible decision-making, and long-term success beyond high school. Course Length: One Semester
OTH110: Power of Knowing: Know Others	Student Development Electives	Power of Knowing is a four-course Social Skills program designed to help high school students develop self-awareness, communication skills, and decision-making abilities needed to navigate relationships, digital environments, and future opportunities. The curriculum uses modern, real-world scenarios that reflect the challenges students face today, including social media influence, financial decisions, peer relationships, and future planning. Through reflection, discussion, and scenario-based learning, students practice evaluating choices and understanding consequences in meaningful contexts. Courses can be delivered synchronously through guided discussion or asynchronously through structured reflection activities and journaling. The program helps students build practical skills that support personal growth, responsible decision-making, and long-term success beyond high school. Course Length: One Semester
OTH120: Power of Knowing: Knowing Your World	Student Development Electives	Power of Knowing is a four-course Social Skills program designed to help high school students develop self-awareness, communication skills, and decision-making abilities needed to navigate relationships, digital environments, and future opportunities. The curriculum uses modern, real-world scenarios that reflect the challenges students face today, including social media influence, financial decisions, peer relationships, and future planning. Through reflection, discussion, and scenario-based learning, students practice evaluating choices and understanding consequences in meaningful contexts. Courses can be delivered synchronously through guided discussion or asynchronously through structured reflection activities and journaling. The program helps students build practical skills that support personal growth, responsible decision-making, and long-term success beyond high school. Course Length: One Semester
OTH130: Power of Knowing: Know Your Path	Student Development Electives	Power of Knowing is a four-course Social Skills program designed to help high school students develop self-awareness, communication skills, and decision-making abilities needed to navigate relationships, digital environments, and future opportunities. The curriculum uses modern, real-world scenarios that reflect the challenges students face today, including social media influence, financial decisions, peer relationships, and future planning. Through reflection, discussion, and scenario-based learning, students practice evaluating choices and understanding consequences in meaningful contexts. Courses can be delivered synchronously through guided discussion or asynchronously through structured reflection activities and journaling. The program helps students build practical skills that support personal growth, responsible decision-making, and long-term success beyond high school. Course Length: One Semester

SAT Reading	Student Development Electives	This course prepares students for the reading component of the SAT by focusing on reading strategies and vocabulary skills used to analyze fiction, informational, and persuasive texts. Students develop close reading skills by examining themes, meaning, purpose, tone, mood, and structure across short stories, poetry, drama, essays, speeches, and nonfiction texts. The course emphasizes using textual evidence to analyze character development, plot, symbolism, point of view, rhetoric, and figurative language; evaluating arguments, claims, bias, and persuasive techniques; and examining how audience and purpose shape texts. Additionally, students analyze public essays and historical speeches and examine key elements involved in creating and delivering effective multimedia presentations. Together, these skills support effective analysis of complex texts aligned with SAT Reading expectations. Course Length: One Semester
SAT Writing and Language	Student Development Electives	The SAT Writing Course prepares students for the writing and language components of the SAT by focusing on essential writing strategies, reading analysis, and Standard English Conventions aligned with assessed SAT topics. Students analyze literary and informational texts to examine themes such as identity, audience, tone, and point of view while interpreting word choice, structure, and figurative language. The course emphasizes effective academic writing, including developing main ideas, organizing essays, supporting claims with evidence, and distinguishing among expository, persuasive, and reflective writing styles. Students also practice revising and editing their work, avoiding plagiarism, and adapting writing for different purposes and audiences. Through lessons, activities, and writing practice, students strengthen the skills needed for college-level writing and success on the SAT. Course Length: One Semester
SAT Mathematics	Student Development Electives	SAT Mathematics prepares students for the mathematics portion of the SAT, with an emphasis on algebraic problem-solving and core concepts in geometry, probability, and statistics. The course covers major SAT content areas, including linear equations and inequalities, systems of equations, proportional relationships, data analysis, polynomials, and quadratic and exponential functions. Students learn to interpret and model real-world situations, analyze data using tables and graphs, and apply mathematical reasoning to solve contextual problems. Additional topics include geometric relationships, trigonometry, complex numbers, and mathematical proof. The course provides a solid foundation for SAT performance and further study in mathematics. Course Length: One Semester
ACT Reading	Student Development Electives	These ACT preparation courses provide instruction in Mathematics, Reading, and English aligned to the topics assessed on the ACT. In Mathematics, students study pre-algebra through intermediate algebra, coordinate and plane geometry, and trigonometry to build problem-solving and mathematical reasoning skills. The Reading course focuses on analyzing texts from social studies, natural sciences, literary narrative, and the humanities, emphasizing comprehension of main ideas, details, and purpose. The English course develops skills in rhetorical analysis, grammar, usage, sentence structure, and organization, with attention to style and clarity in writing. Together, these courses support the development of academic skills and content knowledge aligned with ACT expectations. Course Length: One Semester
ACT English	Student Development Electives	These ACT preparation courses provide instruction in Mathematics, Reading, and English aligned to the topics assessed on the ACT. In Mathematics, students study pre-algebra through intermediate algebra, coordinate and plane geometry, and trigonometry to build problem-solving and mathematical reasoning skills. The Reading course focuses on analyzing texts from social studies, natural sciences, literary narrative, and the humanities, emphasizing comprehension of main ideas, details, and purpose. The English course develops skills in rhetorical analysis, grammar, usage, sentence structure, and organization, with attention to style and clarity in writing. Together, these courses support the development of academic skills and content knowledge aligned with ACT expectations. Course Length: One Semester
ACT Mathematics	Student Development Electives	These ACT preparation courses provide instruction in Mathematics, Reading, and English aligned to the topics assessed on the ACT. In Mathematics, students study pre-algebra through intermediate algebra, coordinate and plane geometry, and trigonometry to build problem-solving and mathematical reasoning skills. The Reading course focuses on analyzing texts from social studies, natural sciences, literary narrative, and the humanities, emphasizing comprehension of main ideas, details, and purpose. The English course develops skills in rhetorical analysis, grammar, usage, sentence structure, and organization, with attention to style and clarity in writing. Together, these courses support the development of academic skills and content knowledge aligned with ACT expectations. Course Length: One Semester

REMEDICATION ELECTIVES		
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
MTH322: Consumer Math	Math Elective	In 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
STRIDE COLLEGE AND CAREER PREP PROGRAM PATHWAY COURSES		
SUGGESTED FOR ALL PATHWAYS		
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	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
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

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
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. Course Length: One Semester 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. Course Length: One Semester Pre-requisite: Student enrollment MUST be approved by SCP Coordinator.
BUSINESS: GENERAL MANAGEMENT PATHWAY		
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
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
BUS130: Business Info Mgmt. *	General Mgmt.	This two-semester course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course will cover the needs for technology in business organizations and how businesses use hardware, software, Internet, and emerging technologies. This course also covers productivity applications such as word processing software and spreadsheet software. Course Length: Two Semesters
BUS310: Prin of Business Mgmt. *	General Mgmt.	Principles of Business Management prepare students for the responsibilities of starting and managing a business in today's economic climate. Students interact with the mechanisms of management systems from the perspective of business leadership, with emphasis on honing their technical toolset to operate effectively in a changing landscape. Students also develop a functional awareness of the economic relationship between finance and marketing and attain an understanding of what it takes to both start and ethically run an enterprise with organizational goals in mind. This full-year course is applicable to both the finance and business administration programs of study in Indiana in alignment with Perkins V and NLPS requirements and is built to state standards. Students who complete this course will be prepared to take the Concentrator A options in either pathway. Course Length: Two Semesters

BUS110: SOCIAL MEDIA MARKETING	General Mgmt. Optional	Whether it is 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
BUS140: Info Tech Fundamentals *	General Mgmt. Optional	Information Technology Applications prepares students to work in the field of information technology. Students demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the internet, web publishing, spreadsheets, and database software. Through a series of hands-on activities, students learn what to expect in the field of information technology and begin exploring career options in that field. Information Technology Applications is an introductory level Career and Technical Education course applicable to programs of study in information technology as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue the Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Course Length: One Semester
BUS410A: Intro to Bus & Tech*	General Mgmt. Optional	Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students also learn the essentials of working in a business environment, managing a business, and owning a business. This course allows students to explore careers in business and information technology while learning skills applicable to any professional setting. Through a variety of hands-on activities, students engage with word processing, presentation, and spreadsheet software and explore operating systems, networking, and the internet. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for the workplace. In addition, students evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Introduction to Business and Technology is a full-year introductory Career and Technical Education course applicable to programs of study in business management and administration and the information technology career clusters, as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Students will: Prepare for a career in business by recognizing the regulations, standards, workplace culture, and opportunities that define the business environment. Apply practical skills to a variety of business situations, from online presentations to collaborative work projects. Create, edit, revise, and adapt business-related work in a way that follows common conventions and achieves specific purposes. Course Length: One Semester

BUS410B: Intro to Bus & Tech*	General Mgmt. Optional	Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students also learn the essentials of working in a business environment, managing a business, and owning a business. This course allows students to explore careers in business and information technology while learning skills applicable to any professional setting. Through a variety of hands-on activities, students engage with word processing, presentation, and spreadsheet software and explore operating systems, networking, and the internet. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for the workplace. In addition, students evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Introduction to Business and Technology is a full-year introductory Career and Technical Education course applicable to programs of study in business management and administration and the information technology career clusters, as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Students will: Prepare for a career in business by recognizing the regulations, standards, workplace culture, and opportunities that define the business environment. Apply practical skills to a variety of business situations, from online presentations to collaborative work projects. Create, edit, revise, and adapt business-related work in a way that follows common conventions and achieves specific purposes. Course Length: One Semesters
BUS423: Principles of Banking & Finance	General Mgmt. 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
OTH224: PROJECT MANAGEMENT	General Mgmt. 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

TCH177: Software Apps Excel with Exam Prep	General Mgmt. 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 Semesters
BUSINESS: ENTREPRENEURSHIP PATHWAY		
TCH109: Foundations of Digital Literacy	Entrepreneurship	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
BUS130: Business Info Mgmt. *	Entrepreneurship	This two-semester course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course will cover the needs for technology in business organizations and how businesses use hardware, software, Internet, and emerging technologies. This course also covers productivity applications such as word processing software and spreadsheet software. Course Length: Two Semesters
BUS300: Entre & Small Business *	Entrepreneurship	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
BUS430: ENTREPRENEURSHIP *	Entrepreneurship	Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you will learn the skills you will need to achieve your dream and transform it into a successful business. You will explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You will 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 us get goaling! Course Length: One Semester
BUS110: SOCIAL MEDIA MARKETING	Entrepreneurship Optional	Whether it is 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

BUS140: Info Tech Fundamentals *	Entrepreneurship Optional	Information Technology Applications prepares students to work in the field of information technology. Students demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the internet, web publishing, spreadsheets, and database software. Through a series of hands-on activities, students learn what to expect in the field of information technology and begin exploring career options in that field. Information Technology Applications is an introductory level Career and Technical Education course applicable to programs of study in information technology as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue the Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Course Length: One Semester
BUS210: Marketing, Advertising, & Sales *	Entrepreneurship Optional	This course will cover various marketing functions, product planning, advertising operations, and the process of selling. Students will: Examine the role and structure of financial statements and types of business firms. Evaluate the intersection of marketing and advertising, and key tools for marketing success. Analyze the evolution of product design and the impact of marketing research. Interpret the advertising process and its intersection with selling and pricing mechanisms. Measure the impact of economic theory on marketing and sales. Assess various careers across the industry, including related professional skills and workplace ethics. This course will cover various marketing functions, product planning, advertising operations, and the process of selling. Students will: Examine the role and structure of financial statements and types of business firms. Evaluate the intersection of marketing and advertising, and key tools for marketing success. Analyze the evolution of product design and the impact of marketing research. Interpret the advertising process and its intersection with selling and pricing mechanisms. Measure the impact of economic theory on marketing and sales. Assess various careers across the industry, including related professional skills and workplace ethics. Course Length: Two Semesters
BUS410: Intro to Bus & Tech A/B*	Entrepreneurship Optional	Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students also learn the essentials of working in a business environment, managing a business, and owning a business. This course allows students to explore careers in business and information technology while learning skills applicable to any professional setting. Through a variety of hands-on activities, students engage with word processing, presentation, and spreadsheet software and explore operating systems, networking, and the internet. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for the workplace. In addition, students evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Introduction to Business and Technology is a full-year introductory Career and Technical Education course applicable to programs of study in business management and administration and the information technology career clusters, as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Students will: Prepare for a career in business by recognizing the regulations, standards, workplace culture, and opportunities that define the business environment. Apply practical skills to a variety of business situations, from online presentations to collaborative work projects. Create, edit, revise, and adapt business-related work in a way that follows common conventions and achieves specific purposes. Course Length: Two Semesters

BUS423: Principles of Banking & Finance	Entrepreneurship 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
MARKETING: MARKETING COMMUNICATIONS PATHWAY		
TCH109: Foundations of Digital Literacy	Marketing	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
BUS130: Business Info Mgmt. *	Marketing	This two-semester course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course will cover the needs for technology in business organizations and how businesses use hardware, software, Internet, and emerging technologies. This course also covers productivity applications such as word processing software and spreadsheet software. Course Length: Two Semesters
BUS210: Marketing, Advertising, & Sales *	Marketing	This course will cover various marketing functions, product planning, advertising operations, and the process of selling. Students will: Examine the role and structure of financial statements and types of business firms. Evaluate the intersection of marketing and advertising, and key tools for marketing success. Analyze the evolution of product design and the impact of marketing research. Interpret the advertising process and its intersection with selling and pricing mechanisms. Measure the impact of economic theory on marketing and sales. Assess various careers across the industry, including related professional skills and workplace ethics. This course will cover various marketing functions, product planning, advertising operations, and the process of selling. Students will: Examine the role and structure of financial statements and types of business firms. Evaluate the intersection of marketing and advertising, and key tools for marketing success. Analyze the evolution of product design and the impact of marketing research. Interpret the advertising process and its intersection with selling and pricing mechanisms. Measure the impact of economic theory on marketing and sales. Assess various careers across the industry, including related professional skills and workplace ethics. Course Length: Two Semesters

BUS110: SOCIAL MEDIA MARKETING	Marketing	Whether it is 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
BUS090: SPORTS & ENTERTAINMENT MARKETING *	Marketing Optional	This course covers fundamental concepts in sports, entertainment, and recreation marketing. It also covers essential skills related to advertising, sponsorship, and marketing campaigns. In addition, the course covers crucial workplace skills, such as teamwork and leadership skills. Course Length: One Semester
BUS091: SPORTS AND ENTERTAINMENT MARKETING 2	Marketing Optional	Get ready to drop your spectator status for an all-access pass to enter the exciting world of sports and entertainment marketing! In this course, you will secure a solid foundation of effective marketing by studying the different roles and levels and how they relate to one another. Then, you will explore the modern marketing methods professionals use to take on an event concept and make it successful. Finally, you will get up to speed on industry terminology and touchpoints with the help of HR. Get ready to flash that pass and gain all-star access to the stage and arena! Course Length: One Semester
BUS113: ACCOUNTING 1	Marketing 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	Marketing 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
BUS140: Info Tech Fundamentals *	Marketing Optional	Information Technology Applications prepares students to work in the field of information technology. Students demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the internet, web publishing, spreadsheets, and database software. Through a series of hands-on activities, students learn what to expect in the field of information technology and begin exploring career options in that field. Information Technology Applications is an introductory level Career and Technical Education course applicable to programs of study in information technology as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue the Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Course Length: One Semester

BUS410: Intro to Bus & Tech A/B*	Marketing Optional	Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students also learn the essentials of working in a business environment, managing a business, and owning a business. This course allows students to explore careers in business and information technology while learning skills applicable to any professional setting. Through a variety of hands-on activities, students engage with word processing, presentation, and spreadsheet software and explore operating systems, networking, and the internet. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for the workplace. In addition, students evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Introduction to Business and Technology is a full-year introductory Career and Technical Education course applicable to programs of study in business management and administration and the information technology career clusters, as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Students will: Prepare for a career in business by recognizing the regulations, standards, workplace culture, and opportunities that define the business environment. Apply practical skills to a variety of business situations, from online presentations to collaborative work projects. Create, edit, revise, and adapt business-related work in a way that follows common conventions and achieves specific purposes. Course Length: Two Semesters
ENG020: PUBLIC SPEAKING	Marketing 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
ARTS, AV, COMMUNICATIONS: DIGITAL/VISUAL ARTS		
TCH109: Foundations of Digital Literacy	Visual Arts	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
COM210: Digital and Interactive Media A/B	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 have 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: Two Semesters

TCH035- Graphic Design & Illustration A/B*	Visual Arts	Semester A covers careers you can pursue in graphic design. It also covers training and skills required for a graphic designer. In addition, this course describes how to create images using color and typography and how to manipulate images. It also guides you how to create images using design elements and principles. Finally, this course covers copyright laws and ethics related to the use of graphic design. You will submit the Unit Activity documents to your teacher, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. Students will be able to do the following: Evaluate the skills necessary for a graphic design career and how to demonstrate them. Examine how to perform basic hardware installations. Apply graphic design skills such as color-balancing techniques, manipulating an image, and using design layouts. Apply creativity and design elements to graphic design products. Perform image editing, such as adjusting hue, saturation, contrast, and brightness. Create images demonstrating design elements and principles. Semester B will cover the advanced manipulation of images. It will guide you on how to create graphic products such as logos, posters, and magazine covers. This course also covers multimedia and digital photography. In addition, the course covers art criticism in graphic artwork, digital publishing, and the creation of graphic design portfolio. You will submit the Unit Activity documents to your teacher, and you will grade your work on the Lesson Activities by comparing them with the given sample responses. The Unit Activities (submitted to the teacher) and the Lesson Activities (self-checked) are the major components of this course. Students will be able to do the following: Use advanced image-editing software tools to edit and manipulate images as part of graphic design products. Apply creativity and design elements to graphic design products. Create a graphic design portfolio with examples of graphic design products created during the course. Contrast original and manipulated graphic design images to appraise their differences. Produce a magazine brand, including a logo and cover. Analyze the characteristics and applications of digital media, including the role of graphics in multimedia and the principles of art criticism. Compare design elements from several brand campaigns. Course Length: Two Semesters
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	- o Courseware is designed for use in middle and high schools, and students can choose to work directly within the software or in a simulated environment (meaning that you do not have to have software installed on the computer). - o Students will use a combination of written and video tutorials, quizzes, projects, and assessments throughout the course. - o Dynamic grading tracks student progress automatically. Each course includes a comprehensive e-Textbook that can be used to inform discussions or assigned as homework. - o All courses are aligned with current industry-based certifications and test prep is included. Course Length: One Semester
TCH031E2: Professional Photography*	Visual Arts Optional	This course will cover various topics in photography, such as history of photography, types of photography, types of cameras, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos. Semester B will cover various topics in photography, such as camera exposure settings, portrait photography, advertising photography, architectural photography, photographic special effects, retouching photographs, restoring old photographs, analog photography, darkroom equipment and development, safety procedures, evaluating photographs, stages of production, and photography portfolio. Course Length: One Semester

TCH032E2: Professional Photography 2 *	Visual Arts Optional	This course will cover various topics in photography, such as history of photography, types of photography, types of cameras, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos. Semester B will cover various topics in photography, such as camera exposure settings, portrait photography, advertising photography, architectural photography, photographic special effects, retouching photographs, restoring old photographs, analog photography, darkroom equipment and development, safety procedures, evaluating photographs, stages of production, and photography portfolio. Course Length: One Semester
TCH047: WEB DESIGN	Visual Arts 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
TCH076: 3D MODELING 1	Visual Arts 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 will learn the basics to begin creating in 3D! You will learn how different 3D models are built and how to practice using a variety of modeling methods. By the end of the course, you will walk away with a portfolio of your ingenious modeling ideas. 3D modeling is an essential part of the modern world and soon, you will be able to contribute yourself! Course Length: One Semester
TCH077: 3D MODELING 2	Visual Arts 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 us get started today! Course Length: One Semester Prerequisite: TCH076
TCH370: WEB DEVELOPMENT	Visual Arts 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
INFORMATION TECHNOLOGY: GAME DESIGN & PROGRAMMING		
TCH073E2: VIDEO GAME DESIGN A/B	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. Course Length: Two Semesters

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 Prerequisite: Algebra 1
TCH174 Digital Media: Illustrator with Exam Prep	Game Design & Programming	TCH174 Digital Media Illustrator is MSI curriculum that prepares students for the Adobe Certified Professional Exam. This course gives students comprehensive training in the fundamentals of design. Topics covered include identifying the purpose, audience, and audience needs for preparing images, communicating with colleagues and clients about design plans, understanding copyright and licensing, using design principles and best practices, setting up projects and utilizing the interface, managing colors, swatches, and gradients, organizing design elements, creating and manipulating visual elements, and preparing images for export to Web, print, and video. Course Length: One Semester
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
TCH332: Cloud & Cloud Security Found	Game Design & Programming	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
TCH083: ANIMATION 1	Game Design & Programming Optional	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 is 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 us bring your story to life with animation! Course Length: Two Semesters
TCH0175 Digital Media: Photoshop with Exam Prep	Game Design & Programming 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

TCH150DE2: Found of Cybersecurity **	Game Design & Programming Optional	In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, law, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free response prompts. This is not a coding intensive course, but students will learn basic SQL and will utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts. In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, law, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free response prompts. This is not a coding intensive course, but students will learn basic SQL and will utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts. Course Length: Two Semester
TCH180: GAME DESIGN INTRO WITH P5PLAY	Game Design & Programming 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. In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, law, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free response prompts. This is not a coding intensive course, but students will learn basic SQL and will utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts. Course Length: One Semester
TCH202: Applied: Understanding AI **	Game Design & Programming Optional	In this course, students will have a chance to explore key aspects of Artificial Intelligence, including machine learning, large language models, bias in models, and the impacts they have on our society. Students will have a chance to engage with multiple AI tools throughout the course, such as ChatGPT, Gemini, and Copilot. Course Length: One Semester
TCH342E2: PYTHON PROGRAMMING	Game Design & Programming Optional	TCH342 Python Programming is a CodeHS course that teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. Once students complete the Introduction to Python course, they will have learned material equivalent to a semester college introductory course in Computer Science and be able to program in Python. Lessons consist of video tutorials, short quizzes, example programs to explore, and written programming exercises, adding up to over 100 hours of hands-on programming practice in total. Several units have free-response questions that have students consider the applications of programming and incorporate examples from their own lives. Course Length: Two Semesters

TCH432: CLOUD COMPUTING	Game Design & Programming Optional	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: Two Semesters
TCH500E2 A & B: AP COMPUTER SCIENCE PRINCIPLES	Game Design & Programming 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	Game Design & Programming 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 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
TCH202: Applied: Understanding AI **	Programming & Software Devel.	In this course, students will have a chance to explore key aspects of Artificial Intelligence, including machine learning, large language models, bias in models, and the impacts they have on our society. Students will have a chance to engage with multiple AI tools throughout the course, such as ChatGPT, Gemini, and Copilot. Course Length: One Semester
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

TCH323: INTRODUCTION TO JAVA PROGRAMMING	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 Two Semesters
TCH452: Machine Learning & Data Eng	Programming & Software Devel. Optional	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
TCH150ADE2: Found of Cybersecurity **	Programming & Software Devel. Optional	In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, law, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free response prompts. This is not a coding intensive course, but students will learn basic SQL and will utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts. Course Length: One Semester
TCH500E2 A & B: AP COMPUTER SCIENCE PRINCIPLES	Programming & Software Devel. 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	Programming & Software Devel. 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 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
TCH150ADE2: Found of Cybersecurity **	Cybersecurity	In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, law, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free response prompts. This is not a coding intensive course, but students will learn basic SQL and will utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts. Course Length: One Semester
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: Two Semesters
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 will 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 will 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 will explore incident response and investigation processes, identify digital forensics tools, and describe organizational security and risk management. Course Length: Two Semesters
TCH202: Applied: Understanding AI **	Cybersecurity Optional	In this course, students will have a chance to explore key aspects of Artificial Intelligence, including machine learning, large language models, bias in models, and the impacts they have on our society. Students will have a chance to engage with multiple AI tools throughout the course, such as ChatGPT, Gemini, and Copilot. Course Length: One Semester

TCH467: CompTia A+ Core 1	Cybersecurity Optional	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
TCH468: CompTia A+ Core 2	Cybersecurity Optional	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
TCH500E2 A & B: AP COMPUTER SCIENCE PRINCIPLES	Cybersecurity 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	Cybersecurity 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 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
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 the industry. Course Length: One Semester

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
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
TCH145: DATA SCIENCE	Engineering 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
TCH150ADE2: Found of Cybersecurity **	Engineering Optional	In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, law, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study. Each module is made up of short video tutorials, example programs, quizzes, simulations, programming exercises, and free response prompts. This is not a coding intensive course, but students will learn basic SQL and will utilize basic HTML and JavaScript within specific contexts while being provided with support within those contexts. Course Length: One Semester
TCH177: Software Apps Excel with Exam Prep	Engineering 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
TCH452: Machine Learning & Data Eng	Engineering Optional	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

OTH224: PROJECT MANAGEMENT	Engineering 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
HEALTH SCIENCE: THERAPEUTICS PATHWAY		
OTH092: HEALTH SCIENCE I*	Therapeutics	This course will cover the structure of the human body systems and their functions. It will also cover diseases and medical procedures related to each body system. Students will Interpret basic word parts of medical terms as well as abbreviations, acronyms, symbols, and directional terminology used in health care. Examine the structures, parts, and functions of the human body and each of its systems. Examine various health science professions and specializations related to each body system. Analyze diseases and disorders, including causes, treatments, and procedures, related to various body systems. Measure the effects of carbohydrates, lipids, supplements, and various nutrients on the human body. Course Length: One Semester
OTH094: HEALTH SCIENCE II*	Therapeutics	This course will cover various topics in health science, such as biomolecules, biological and chemical processes, and various diseases. Students will: Examine the structures, parts, and functions of the human body and each of its systems. Analyze diseases and disorders, including causes, treatments, and procedures, related to various body systems. Measure the effects of carbohydrates, lipids, supplements, and various nutrients on the human body. Inspect the various biological and chemical processes throughout the human body. Analyze the evolution of DNA, RNA, and genetics research in the health sciences. 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 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 pathology, diagnostic, and treatment procedures. Course Length: One Semester Prerequisite: HLT213 Medical Terminology 2

SCI330: ANATOMY AND PHYSIOLOGY	Therapeutics	Anatomy and Physiology, Semester A, is the first part of a two-semester course. The course begins with an overview of the organization and structure of the human body. You will learn to interpret common medical terminology. In addition, you will describe the structures and functions of cells and tissues. You will also learn about cardiovascular, immune, respiratory, digestive, and renal/urinary systems and common diseases and disorders associated with these systems. Students will be able to do the following: Differentiate the structures of various body systems. Use appropriate technical terms related to anatomy and physiology. Analyze the functions of human cells and body systems. Evaluate diseases, illnesses, and other challenges related to different body systems. Discover treatment options for issues with body systems. Semester B, is the second part of a two-semester course that builds on the foundational knowledge from Semester A. This course delves deeper into some of the human body systems, focusing on the nervous, integumentary, musculoskeletal, endocrine, and reproductive systems. You will explore the anatomy and physiology of these systems, including their structures, functions, and common diseases or disorders. The course also emphasizes the integration of this knowledge with health science careers, offering a comprehensive understanding of how these systems are studied and applied in professional contexts. Additionally, you will engage in activities that involve research, discussion, and projects to solidify your understanding and application of the material. Students will be able to do the following: Examine the structure and functions of human body systems. Examine the processes of a human life cycle like fetal development, birth, maturation, and aging. Assess health careers and recent advances in science and medicine. Course Length: Two Semesters Prerequisites: SCI203 Biology
HLT200: Nutrition and Wellness	Therapeutics 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 will 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
HLT230: Prin of Human Services*	Therapeutics Optional	This course will cover the history, diversity, components, and career opportunities in the Human Services cluster. Students will: Assess and plan for careers in the human services career cluster, including the required education, training, and professional and lifelong-learning skills Appraise best practices for creating a positive, ethical, and safe work environment while adhering to workplace laws and policies. Evaluate strategies and services for those experiencing health disorders or who are victims of abuse. Evaluate methods to nurture, protect, and meet the needs of children in all stages of growth. Course Length: Two Semesters
HLT330: MEDICAL OFFICE PROCEDURES AND ADMIN	Therapeutics 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
HLT340: PROFESSIONALISM IN ALLIED HEALTH	Therapeutics Optional	Professionalism in Allied Health 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

HLT400: FUNDAMENTALS OF MENTAL HEALTH CARE	Therapeutics 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
HLT420: CLINICAL MEDICAL ASSISTING	Therapeutics Optional	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
HTL430: INTRODUCTION TO PHARMACOLOGY	Therapeutics Optional	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. When implemented with care, medicine can cure illnesses and even save lives, but when distributed incorrectly, therapeutics can cause great harm. In this course, you will delve deeper into the study of medicine and treatments available to patients. You will learn about available medications for specific diseases, the way therapeutics work in the body, different drug classifications, the law behind administering drugs, and what a pharmacy career can look like. Course Length: Two Semesters
HLT442: MEDICAL SCRIBE	Therapeutics 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
HTL460: SPORTS MEDICINE INTRODUCTION	Therapeutics 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	Therapeutics 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

HLT480: Health Science Clinical	Therapeutics 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, which 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 highlight their professional profiles as they further their health science endeavors. Course Length Two Semesters
HEALTH SCIENCE: DIAGNOSTICS PATHWAY		
OTH092: HEALTH SCIENCE I*	Diagnostics	This course will cover the structure of the human body systems and their functions. It will also cover diseases and medical procedures related to each body system. Students will Interpret basic word parts of medical terms as well as abbreviations, acronyms, symbols, and directional terminology used in health care. Examine the structures, parts, and functions of the human body and each of its systems. Examine various health science professions and specializations related to each body system. Analyze diseases and disorders, including causes, treatments, and procedures, related to various body systems. Measure the effects of carbohydrates, lipids, supplements, and various nutrients on the human body. Course Length: One Semester
OTH094: HEALTH SCIENCE II*	Diagnostics	This course will cover various topics in health science, such as biomolecules, biological and chemical processes, and various diseases. Students will: Examine the structures, parts, and functions of the human body and each of its systems. Analyze diseases and disorders, including causes, treatments, and procedures, related to various body systems. Measure the effects of carbohydrates, lipids, supplements, and various nutrients on the human body. Inspect the various biological and chemical processes throughout the human body. Analyze the evolution of DNA, RNA, and genetics research in the health sciences. 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 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 pathology, diagnostic, and treatment procedures. Course Length: One Semester Prerequisite: HLT213 Medical Terminology 2

SCI330: ANATOMY AND PHYSIOLOGY	Diagnostics	Anatomy and Physiology, Semester A, is the first part of a two-semester course. The course begins with an overview of the organization and structure of the human body. You will learn to interpret common medical terminology. In addition, you will describe the structures and functions of cells and tissues. You will also learn about cardiovascular, immune, respiratory, digestive, and renal/urinary systems and common diseases and disorders associated with these systems. Students will be able to do the following: Differentiate the structures of various body systems. Use appropriate technical terms related to anatomy and physiology. Analyze the functions of human cells and body systems. Evaluate diseases, illnesses, and other challenges related to different body systems. Discover treatment options for issues with body systems. Semester B, is the second part of a two-semester course that builds on the foundational knowledge from Semester A. This course delves deeper into some of the human body systems, focusing on the nervous, integumentary, musculoskeletal, endocrine, and reproductive systems. You will explore the anatomy and physiology of these systems, including their structures, functions, and common diseases or disorders. The course also emphasizes the integration of this knowledge with health science careers, offering a comprehensive understanding of how these systems are studied and applied in professional contexts. Additionally, you will engage in activities that involve research, discussion, and projects to solidify your understanding and application of the material. Students will be able to do the following: Examine the structure and functions of human body systems. Examine the processes of a human life cycle like fetal development, birth, maturation, and aging. Assess health careers and recent advances in science and medicine. Course Length: Two Semesters Prerequisites: SCI203 Biology
HLT200: Nutrition and Wellness	Diagnostics 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 will 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
HLT330: MEDICAL OFFICE PROCEDURES AND ADMIN	Diagnostics 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
HLT340: PROFESSIONALISM IN ALLIED HEALTH	Diagnostics Optional	Professionalism in Allied Health 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
HLT400: FUNDAMENTALS OF MENTAL HEALTH CARE	Diagnostics 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

HLT442: MEDICAL SCRIBE	Diagnostics 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
HLT472: MEDICAL LAB ASSISTING	Diagnostics Optional	Medical Lab Assisting is a comprehensive course with insight and focus on laboratory skills, providing 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
OTH033: INTRO TO VETERINARY SCIENCE*	Diagnostics Optional	In the Introduction to Veterinary Science course, you will explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. You will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, you will learn about zoonotic diseases, and the impact of toxins and poisons on animal health. Students will: Trace historical events and current trends in veterinary science. Understand academic competencies, skills requirements, and licensing in the veterinary industry. Explain the principles of animal anatomy and physiology. Explain how to evaluate the health of animals. Discuss musculoskeletal disorders and infectious and noninfectious diseases. Demonstrate methods to detect and prevent diseases in animals. Discuss zoonotic diseases and their impact on public health. Explain the impact of toxins and poisons on animal health. Course Length: One Semester
SCI030: FORENSIC SCIENCE	Diagnostics 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
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

LAW205: LAW ENFORCEMENT	Legal Services	Not Available Until 2027
LAW220: Intro to Criminology *	Legal Services	Introduction to Criminology is a comprehensive one-semester course. This course examines the fundamental theories and concepts related to crime, deviance, and the criminal justice system. You will learn about the key theories and concepts surrounding crime, deviance, and the criminal justice system. Throughout the course, you will investigate various criminological theories, analyze the societal factors influencing crime, and examine contemporary issues in the field. You will also evaluate crime prevention strategies and their effectiveness in different contexts. Students will: Compare the classical and positivist schools of thought. Examine the ways in which social structures and labels affect criminal behavior. Assess how factors and theories, including the routine activity theory and the concept of anomie, influence criminal activity. Evaluate how prevention strategies address the primary social issues that contribute to criminal behavior. Course Length: One Semester
HST060: SOCIOLOGY I*	Legal Services	This one-semester elective course is intended as a practical, hands-on guide to introduce you to the field of sociology. You will explore the evolution of sociology as a distinct social science, learn about sociological concepts and processes, and discuss how the individual relates to society. You will also learn about the influence of culture, social structure, socialization, and social change today. Students will be able to do the following: Describe the development of sociology as a distinct discipline and compare the different schools of thought in sociology. Explain sociological concepts and processes and analyze the effects of industrialization. Identify and describe different types of societies. Identify leading sociologists and describe their contributions to the field of sociology. Identify the elements of culture, compare cultural norms, and analyze the relationship between culture and society. Explain the process of socialization and describe the various life stages. Explain the influence of the social institution of family on society. Course Length: One Semester
SCI030: FORENSIC SCIENCE	Legal Services 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
ENG020: PUBLIC SPEAKING	Legal Services 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

HLT400: FUNDAMENTALS OF MENTAL HEALTH CARE	Legal Services 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
BUS410: Intro to Bus & Tech *	Legal Services Optional	Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students also learn the essentials of working in a business environment, managing a business, and owning a business. This course allows students to explore careers in business and information technology while learning skills applicable to any professional setting. Through a variety of hands-on activities, students engage with word processing, presentation, and spreadsheet software and explore operating systems, networking, and the internet. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for the workplace. In addition, students evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Introduction to Business and Technology is a full-year introductory Career and Technical Education course applicable to programs of study in business management and administration and the information technology career clusters, as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Students will: Prepare for a career in business by recognizing the regulations, standards, workplace culture, and opportunities that define the business environment. Apply practical skills to a variety of business situations, from online presentations to collaborative work projects. Create, edit, revise, and adapt business-related work in a way that follows common conventions and achieves specific purposes. Course Length: Two Semesters
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

BUS410: Intro to Bus & Tech A/B*	Professionalism & Leadership	Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students also learn the essentials of working in a business environment, managing a business, and owning a business. This course allows students to explore careers in business and information technology while learning skills applicable to any professional setting. Through a variety of hands-on activities, students engage with word processing, presentation, and spreadsheet software and explore operating systems, networking, and the internet. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for the workplace. In addition, students evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Introduction to Business and Technology is a full-year introductory Career and Technical Education course applicable to programs of study in business management and administration and the information technology career clusters, as well as other career clusters. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Microsoft® Office Specialist certifications in Microsoft Word, Microsoft Excel, and Microsoft Access, as well as IC3 certification. Students will: Prepare for a career in business by recognizing the regulations, standards, workplace culture, and opportunities that define the business environment. Apply practical skills to a variety of business situations, from online presentations to collaborative work projects. Create, edit, revise, and adapt business-related work in a way that follows common conventions and achieves specific purposes. Course Length: Two Semesters
TCH109: Foundations of Digital Literacy	Visual Arts	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	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

OTH033: INTRO TO VETERINARY SCIENCE*	Tech Ed Electives	In the Introduction to Veterinary Science course, you will explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. You will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, you will learn about zoonotic diseases, and the impact of toxins and poisons on animal health. Students will: Trace historical events and current trends in veterinary science. Understand academic competencies, skills requirements, and licensing in the veterinary industry. Explain the principles of animal anatomy and physiology. Explain how to evaluate the health of animals. Discuss musculoskeletal disorders and infectious and noninfectious diseases. Demonstrate methods to detect and prevent diseases in animals. Discuss zoonotic diseases and their impact on public health. Explain the impact of toxins and poisons on animal health. Course Length: One Semester
OTH161: Prin of Education & Training 1*	Health Science Electives	This one-semester course is intended to help familiarize you with career opportunities in the education and training career cluster. This course covers career opportunities in the three pathways in the education and training cluster—administration, education, and professional support. In addition, the course covers personal and professional skills that are necessary for a career in this field. Semester B explains child development, health, nutrition, and safety requirements for children. In addition, the course covers teaching strategies as well as technologies that can aid educators. Course Length: One Semester
OTH162: Prin of Education & Training 2*	Health Science Electives	This one-semester course is intended to help familiarize you with career opportunities in the education and training career cluster. This course covers career opportunities in the three pathways in the education and training cluster—administration, education, and professional support. In addition, the course covers personal and professional skills that are necessary for a career in this field. Semester B explains child development, health, nutrition, and safety requirements for children. In addition, the course covers teaching strategies as well as technologies that can aid educators. Course Length: One Semester
OTH171: CULINARY ARTS 1*	Tech Ed Electives	Culinary Arts 1 is a one-semester course that is intended to help you gain an understanding of the history and development of culinary arts. This course covers the basics of nutrition, health, safety, and sanitation. In addition, the course explains the basic science principles used in cooking and various cooking methods. Finally, the course describes culinary skills required to make a variety of items, ranging from stocks and soups to seafood and poultry to various breads and desserts. Course Length: One Semester
OTH172: CULINARY ARTS 2*	Tech Ed Electives	Culinary Arts 2 is a one-semester course that is intended to help you gain an understanding of menu planning, food presentation, and different service styles. This course covers the running of food service establishments and kitchen management skills. In addition, the course explains the personal skills and professional traits needed in the food service industry. Finally, the course covers career opportunities and career management skills. Course Length: One Semester
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 will 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

HLT230: Prin of Human Services*	Therapeutics Optional	This course will cover the history, diversity, components, and career opportunities in the Human Services cluster. Students will: Assess and plan for careers in the human services career cluster, including the required education, training, and professional and lifelong-learning skills Appraise best practices for creating a positive, ethical, and safe work environment while adhering to workplace laws and policies. Evaluate strategies and services for those experiencing health disorders or who are victims of abuse. Evaluate methods to nurture, protect, and meet the needs of children in all stages of growth. Course Length: Two Semesters
AGR105: Agriscience 1: Introduction	Tech Ed Electives	The word “agriculture” often evokes images of farms, fields, and livestock, and while all these representations are correct and essential, the field of Agriculture is so much more! In Agriscience I: Introduction, you will 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 us get growing! Course Length: One Semester
OTH350: Food Handler & Mgr. Cert **	Business Mgmt. Electives	The Food Handler and Food Manager Certifications course is a single-semester course designed to help you learn what you need to know to be successful in competency examinations for certified food handlers and food managers. Students will be able to do the following: Identify various causes of foodborne illness. Explain how different types of pathogens contaminate food. Identify the five behaviors that lead to food contamination. Identify practices that help prevent cross-contamination while purchasing, receiving, storing, and prepping food. Describe ways to prevent allergic reactions to certain foods. Explain how good hand hygiene, correct use of gloves, effective grooming, wound treatment, and other hygiene practices help prevent food contamination and foodborne illnesses. Explain how to use time and temperature control to keep food safe. Identify ways to ensure food safety when purchasing, receiving, storing, prepping, cooking, and holding food. Identify safe methods for cooling, reheating, and serving food. Explain how cleaning and sanitizing surfaces and equipment helps protect food from contamination. Explain how effective dishwashing is important for ensuring food safety. Describe procedures to ensure a clean facility and for integrated pest management. Describe the role of a manager in ensuring food safety. Describe the laws and regulations that relate to food safety. Explain the importance of proper facility design and choice of equipment in ensuring food safety. 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, 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
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. Pre-requisite: SCP Coordinator MUST approve student enrollment. 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 ① Credits					
English 9	•	•		•	•
English 10	•	•		•	•
American Literature	•	•		•	•
British and World Literature	•	•		•	•
AP® English Language and Composition^			•		
AP® English Literature and Composition^			•		
MATH ① Credits					
Algebra I	•	•		•	•
Geometry	•	•		•	•
Algebra II	•	•		•	•
Practical Math	•			•	•
Pre-Calculus/Trigonometry	•			•	•
Probability and Statistics*	•			•	•
Calculus	•			•	•
AP® Calculus AB^			•		
AP® Statistics^			•		
SCIENCE ① Credits					
Physical Science	•			•	•
Earth Science	•	•		•	•
Biology	•	•		•	•
Chemistry	•	•		•	•
Physics	•	•		•	•
AP® Biology^			•		
AP® Chemistry^			•		
AP® Environmental Science^			•		
Environmental Science*	•			•	•
Anatomy and Physiology	•			•	•
Forensic Science	•			•	•

HISTORY and SOCIAL SCIENCES ① Credits					
World History	•	•		•	•
Modern World Studies	•	•		•	•
U.S. History	•	•		•	•
Geography	•			•	•
U.S. Government and Politics*	•			•	•
U.S. and Global Economics*	•			•	•
AP® U.S. History^			•		
AP® U.S. Government and Politics*			•	•	•
AP® Macroeconomics*			•	•	•
AP® Microeconomics*			•	•	•
AP® Psychology*			•	•	•
AP® Human Geography^			•		
HEALTH and P.E. ① Credit					
Skills for Health*	•			•	•
Physical Education*	•			•	•
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

- ① = number of credits from each subject area needed to graduate
- * = one-semester course (.5 credits)

	Full Year	FALL	SPRING
BUSINESS MANAGEMENT ELECTIVES			
HST355 Financial Literacy Fundamentals*		●	●
BUS430 Entrepreneurship*		●	●
BUS300 Entrepreneurship & Small Businesses*		●	●
BUS210 Marketing, Advertising & Sales		●	●
BUS090 Sports and Entertainment Marketing 1*		●	●
BUS091 Sports and Entertainment Marketing 2*		●	●
BUS113 Accounting I *		●	●
BUS114 Accounting II*		●	●
BUS110 Social Media Marketing*		●	●
TECHNOLOGY and COMPUTER SCIENCE ELECTIVES			
COM210: Digital and Interactive Media	●	●	●
TCH031 Professional Photography 1*		●	●
TCH032 Professional Photography 2*		●	●
TCH035 Graphic Design & Illustration	●	●	●
TCH076 3D Modeling 1*		●	●
TCH077 3D Modeling 2*		●	●
TCH083 Animation 1		●	●
TCH171 Software Apps: Powerpoint with Cert Prep*		●	●
TCH105 Computer Literacy*		●	●
TCH172 Software Apps: Word with Cert Prep*		●	●
TCH160 Robotics 1A*		●	●
TCH162 Robotics 1B*		●	●
TCH177 Software Apps: Excel Expert w/ Exam Prep*		●	●
TCH175 Digital Media: Photoshop*		●	●
TCH323 Introduction Java™ Programming		●	●
TCH174 Digital Media: Illustrator*		●	●
TCH342 Python Programming 1*		●	●
TCH343 Python Programming 2*		●	●
TCH370 Web Development		●	●
TCH500 AP® Computer Science A^	●		
TCH510 AP® Computer Science Principles^	●		
TCH150 Applied: Understanding AI*<		●	●
TCH109: Foundations of Digital Literacy		●	●
REMEDIATION ELECTIVES			
MTH113 Pre-Algebra	●	●	●
MTH322 Consumer Math	●	●	●
HEALTH SCIENCES ELECTIVES			
HLT213 Medical Terminology 1*		●	●
HLT214 Medical Terminology 2*		●	●
OTH061 Prin of Education & Training 1*		●	●
OTH062 Prin of Education & Training 2*		●	●
HLT200 Nutrition & Wellness*		●	●

	Full Year	FALL	SPRING
CAREER TECHNICAL EDUCATION ELECTIVES			
AGR105 Agriscience1: Introduction*		●	●
LAW110 Careers in Criminal Justice 1*		●	●
LAW111 Careers in Criminal Justice 2*		●	●
OTH033Intro to Veterinary Science*		●	●
OTH171 Culinary Arts 1*		●	●
OTH172 Culinary Arts 2*		●	●
SCI020 Intro to Astronomy*		●	●
SCI021 Astronomy 2*		●	●
TCH130 Foundations of Engineering Science*		●	●
OTH350 Food Handler & Mangr Cert*<		●	●
SCI030 Forensic Science		●	●
ART ELECTIVES			
ART010 Fine Art		●	●
ART020 Music Appreciation		●	●
ENG030 Creative Writing		●	●
HST060 Sociology*		●	●
OTH095 Mythology and Folklore*		●	●
OTH031 Intro to Archeology*<		●	●
OTH036 Gothic Literature*<		●	●
COM230 Into to Journalism 1*		●	●
COM231 Journalism Investigating Truth 2*		●	●
HST020 Psychology*		●	●
STUDENT DEVELOPMENT ELECTIVES			
ENG020 Public Speaking*		●	●
OTH040 Study Hall101*		●	●
OTH100 Power of Knowing: Know Yourself*<		●	●
OTH110 Power of Knowing: Know Others*<		●	●
OTH120 Power of Knowing: Know Your World*<		●	●
OTH130 Power of Knowing: Know Your Path*<		●	●
SAT Reading*<		●	●
SAT Writing and Language*<		●	●
SAT Mathematics*<		●	●
ACT Reading*<		●	●
ACT English*<		●	●
ACT Mathematics*<		●	●
ACT Workkeys*<		●	●
ACT Science Reasoning*<		●	●

- 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 26-27SY

College & Career Prep Pathway Program Offerings

	Full Year	FALL	SPRING
BUSINESS: GENERAL MANAGEMENT			
TCH109 Foundations of Digital Literacy*		•	•
BUS113 Accounting 1*		•	•
BUS114 Accounting 2*		•	•
BUS130 Business Info Management	•	•	•
BUS310 Introduction to Management 1*		•	•
BUS110 Social Media Marketing*		•	•
BUS140 Info Tech Fundamentals*		•	•
BUS410 Intro to Business Communications	•	•	•
BUS423 Principles of Banking & Finance	•	•	•
OTH224 Project Management*		•	•
Software Apps: Excel Expert with Exam Prep*		•	•
BUSINESS: ENTREPRENEURSHIP			
TCH109 Foundations of Digital Literacy*		•	•
BUS130 Business Info Management*		•	•
BUS300 Entrep. & Small Business*		•	•
BUS430 Entrepreneurship *		•	•
BUS110 Social Media Marketing*		•	•
BUS140 Info Tech Fundamentals*		•	•
BUS210 Marketing, Advertising, & Sales	•	•	•
BUS410 Intro to Business Communications 1	•	•	•
BUS423 Principles of Banking & Finance	•	•	•
Suggested Electives for all Pathways:			
TCH171 Software Apps: Powerpoint with Cert Prep*		•	•
TCH172 Software Apps: Word with Cert Prep*		•	•
TCH177 Software Apps: Excel Expert with Exam Prep*		•	•
TCH109 Foundations of Digital Literacy*		•	•
WBL531 Work Experience	•	•	•
WBL541 Work Based Learning	•	•	•

	Full Year	FALL	SPRING
MARKETING: MARKETING COMMUNICATIONS			
TCH109 Foundations of Digital Literacy*		•	•
BUS130 Business Info Mgmt	•	•	•
BUS210 Marketing, Advertising, & Sales	•	•	•
BUS110 Social Media Marketing*		•	•
BUS090 Sports and Entertainment Marketing *		•	•
BUS091 Sports and Entertainment Marketing 2*		•	•
BUS113 Accounting 1*		•	•
BUS114 Accounting 2*		•	•
BUS140 Info Tech Fundamentals*		•	•
BUS410 Intro to Business & Tech	•	•	•
ENG020 Summit Public Speaking*		•	•
ARTS, AV, COMMUNICATIONS: DIGITAL/VISUAL ARTS			
TCH109 Foundations of Digital Literacy*		•	•
COM210: Digital and Interactive Media	•	•	•
TCH035 Graphic Design & Illustration	•	•	•
TCH174 Digital Media: Illustrator*		•	•
TCH175 Digital Media: Photoshop*		•	•
TCH031 Professional Photography 1*		•	•
TCH032 Professional Photography 2*		•	•
TCH047 Web Design A/B †	•	•	•
TCH076 3D Modeling 1*		•	•
TCH077 3D Modeling 2*		•	•
TCH370 Web Development A/B	•	•	•

< = New course for 26-27SY

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Side B offered only in the Spring

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† = 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.)

	Full Year	FALL	SPRING
IT: VIDEO GAME DESIGN			
TCH073 Video Game Design A/B †	•	•	•
TCH110 Computer Science JavaScript I*		•	•
TCH174 Digital Media: Illustrator*		•	•
TCH220 Computer Science Principles*		•	•
TCH332 Cloud Security Foundations*		•	•
TCH083 Animation A/B <	•	•	•
TCH175 Digital Media: Photoshop*		•	•
TCH150 Foundations of Cybersecurity*		•	•
TCH180 Intro to Game Design with p5Play*		•	•
TCH202 Applied Understanding AI*<		•	•
TCH342 Python Programming A/B	•	•	•
TCH432 Cloud Computing	•	•	•
TCH500 AP® Computer Science Principles A/B^	•		
TCH510 AP® Computer Science A/B^	•		
IT: PROGRAMMING & SOFTWARE DEV			
TCH220 Computer Science Principles*†		•	•
TCH202 Applied Understanding AI*<		•	•
TCH342 Python Programming A/B	•	•	•
TCH323 Intro to Java Programming A/B	•	•	•
TCH452 Machine Learning & Data Engineering		•	•
TCH150 Foundations of Cybersecurity*		•	•
TCH500 AP® Computer Science Principles A/B^	•		
TCH510 AP® Computer Science A/B^	•		

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- Please note that course availability varies based on time of year.
- " = Must be approved by SCP Coordinator

	Full Year	FALL	SPRING
ENGINEERING & STEM: ENGINEERING TECHNOLOGY			
TCH120 Engineering Design & Presentation *		•	•
TCH130 Foundations of Engineering Science*		•	•
TCH140 Principles of Applied Engineering*		•	•
TCH150 Engineering Design *		•	•
TCH145 Data Science*		•	•
TCH177 Software Apps: Excel Expert with Exam Prep*		•	•
TCH452 Machine Learning & Data Engineering		•	•
OTH224 Project Management		•	•
TCH150 Foundations of Cybersecurity*		•	•
LAW: LEGAL SERVICES			
LAW110 Careers in Criminal Justice 1*		•	•
LAW111 Careers in Criminal Justice 2*		•	•
LAW220 Intro to Criminology*		•	•
LAW205 Law Enforcement		•	•
HST060 Sociology*		•	•
SCI030 Forensic Science*		•	•
ENG020 Public Speaking*		•	•
HLT400 Fundamentals of Mental Health Care*		•	•
BUS410 Intro to Business Communications	•	•	•
IT: Network Systems and Cybersecurity			
TCH055 Web Communications*†		•	•
TCH150 Foundations of Cybersecurity*		•	•
TCH325 CompTIA Network + Certification	•	•	•
TCH462 CompTIA Security + Certification	•	•	•
TCH202 Applied Understanding AI*<		•	•
TCH467 CompTia A+ Core 1*		•	•
TCH468 CompTia A+ Core 2*		•	•
TCH500 AP® Computer Science Principles A/B^	•		
TCH510 AP® Computer Science A/B^	•		

College & Career Prep Pathway Program Offerings Cont.

	Full Year	FALL	SPRING
HEALTH SCIENCE: THERAPEUTICS			
OTH092: Health Science I*		•	•
OTH094: Health Science II*		•	•
HLT213 Medical Terminology 1*		•	•
HLT214 Medical Terminology 2*		•	•
SCI330 Anatomy and Physiology A/B	•	•	•
HLT200 Nutrition and Wellness*		•	•
HLT230 Prin of Human Services	•	•	•
HLT330 Medical Office Procedures and Admin*		•	•
HLT340 Professionalism in Allied Health*		•	•
HLT400 Fundamentals of Mental Health Care*		•	•
HLT420 Clinical Medical Assisting A/B	•	•	•
HLT430 Pharmacology *		•	•
HLT442 Medical Scribe*		•	•
HLT460 Sports Medicine Intro *		•	•
HTL461 Sports Medicine Preventing Injury *		•	•
HTL480 Health Science Clinical	•	•	•
HEALTH SCIENCE: DIAGNOSTICS			
OTH092: Health Science I*		•	•
OTH094: Health Science II*		•	•
HLT213 Medical Terminology 1*		•	•
HLT214 Medical Terminology 2*		•	•
SCI330 Anatomy and Physiology A/B	•	•	•
HLT200 Nutrition and Wellness*		•	•
HLT330 Medical Office Procedures and Admin*		•	•
HLT340 Professionalism in Allied Health*		•	•
HLT400 Fundamentals of Mental Health Care*		•	•
HLT442 Medical Scribe*		•	•
OTH033 Intro to Vet Science*		•	•
SCI030 Forensic Science*		•	•

	Full Year	FALL	SPRING
HS EXPLORATORY: PROFESSIONALISM & LEADERSHIP			
ENG020 Public Speaking*		•	•
BUS410 Intro to Business Communications	•	•	•
TCH109 Foundations of Digital Literacy*		•	•
TCH172 Software Apps: Word with Cert Prep*		•	•
TCH177Software Apps: Excel Expert with Exam Prep*		•	•
WBL531 Work Based Learning"	•	•	•
OTH033 Intro Veterinary Science*		•	•
OTH161 Principles of Education Training 1*		•	•
OTH162 Principles of Education Training 2*		•	•
OTH171 Culinary Arts 1*		•	•
OTH172 Culinary Arts 2*		•	•
HLT200 Nutrition and Wellness*		•	•
HLT230 Prin of Human Services	•	•	•
AGR105 Agriscience 1: Introduction*		•	•
OTH350 Food Handler & Mngr Cert*		•	•
TCH171 Software Apps: Powerpoint with Cert Prep*		•	•

< = New course for 26-27SY

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Side B offered only in the Spring

* = one-semester course (.5 credits)

† = 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

† = 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.

ENGLISH Core/Electives	
Introduction to 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 Core/Electives	
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 Core/Electives	
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 Core/Electives	
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

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 *

2026-2027 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:

BUS090E2 Sports and Entertainment Mktg 1
BUS091 Sports and Entertainment Mktg 2
BUS113 Accounting 1
BUS114 Accounting 2
BUS140 Business Info Management: Data Essentials
BUS410 Business Comm 1
BUS420 Business Comm 2
ENG020 Public Speaking

Possible Certifications:

Precision Exams: Marketing 2
Precision Exams: Customer Service
Precision Exams: 21st Century Skills
Precision Exams: Influencer and Content Marketing



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:

BUS110 Social Media Marketing
BUS140 Business Info Management: Data Essentials
BUS410 Business Comm 1
BUS420 Business Comm 2
BUS423A&B Principles of Banking & Finance
TCH177 Software Apps: Excel
OTH224 Project Management

Possible Certifications:

Precision Exams: Business Office Specialist
Precision Exams: Customer Service
Precision Exams: 21st Century Skills
Precision Exams: Accounting 1 & 2
Precision Exams: Banking and Finance
Precision Exams: Entrepreneurship
Precision Exams: Information Technology



Business Entrepreneurship

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

Optional Electives:

BUS110 Social Media Marketing
BUS140 Business Info Management: Data Essentials
BUS210 Professional Sales
BUS410 Business Comm 1
BUS420 Business Comm 2
BUS423A&B Principles of Banking & Finance
BUS430 Business Ownership 1

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
Precision Exams: Animation 1&2



Engineering & STEM: Engineering & Technology

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

Optional Electives:

TCH145 Data Science
TCH177 Software Apps: Excel
TCH452 Machine Learning & Data Engineering
OTH224 Project Management
TCH150 Foundations of Cybersecurity

Possible Certifications:

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



Professionalism & Leadership

ENG020 Public Speaking
BUS410 Intro to Business Communication

BUS420 Business Communications 2
TCH109 Foundations of Digital Literacy
TCH172 Software Apps Word
TCH177 Software Apps Excel

Optional Electives:

WBL531A/B Work Based Learning
OTH033-DYN Veterinary Science
OTH161 Early Childhood Education 1
OTH162 Early Childhood Education 2
OTH171 Culinary Arts 1
OTH172 Culinary Arts 2
HLT200 Nutrition and Wellness
HLT230 Intro to Human and Social Services
AGR105 Agriscience 1: Introduction
OTH350 Food Handler & Mngr Cert
TCH171 Software Apps PowerPoint

Possible Certifications:

Precision Exams: Business Office Specialist
Precision Exams: Customer Service
Precision Exams: 21st Century Skills
Precision Exams: Personal Finance
Precision Exams: Early Childhood Education 1 & 2

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



Private Academy

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

2026-2027 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 Sciences I
OTH094: Health Science II
HLT 213 Medical Terminology 1
HLT 214 Medical Terminology 2
SCI330 Anatomy & Physiology A/B

Optional Electives:
HLT480A&B Health Science Clinical
HLT200 Nutrition and Wellness
HLT230 Intro to Human and Social Services
HLT330 Medical Office Procedures & Admin
HLT340 Professionalism in Allied Health
HLT400 Fundamentals of Mental Health Care
HLT 420 Clinical Medical Assisting A/B
HLT430E2 Introduction to Pharmacology
HLT442 Medical Scribe
HLT 460 Sports Medicine Intro
HLT461 Sports Medicine: Preventing Injury

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
HLT214 Medical Terminology 2
SCI330 Anatomy & Physiology A/B

Optional Electives:
HLT472 Medical Lab Assisting
OTH033 Vet Science
SCI030: Forensic Science
HLT200 Nutrition and Wellness
HLT330 Medical Office Procedures & Admin
HLT340 Professionalism in Allied Health
HLT400 Fundamentals of Mental Health Care
HLT442 Medical Scribe

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
LAW220 Criminology
HST060 Sociology
LAW205 Law Enforcement

Optional Electives:
SCI030 Forensic Science
ENG020 Public Speaking
HLT400 Fundamentals of Mental Health Care
BUS410 Business Comm 1
BUS420 Business Comm 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
TCH332 Cloud Security Foundations

Optional Electives:
TCH083 Animation A/B
TCH175 Digital Media: Photoshop
TCH180 Intro to Game Design with p5play
TCH202 Applied Understanding AI
TCH342 Python Programming A/B
TCH432A/B Cloud Computing
TCH500 AP Comp Sci Principles A/B
TCH510 AP Comp Sci A/B
TCH150 Foundations of Cybersecurity

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
TCH202 Applied Understanding AI
TCH342 Python Programming A/B
TCH 323 Intro to Java Prog A/B

Optional Electives:
TCH452 Machine Learning & Data Engineering
TCH500 AP Comp Sci Principles A/B
TCH510 AP Comp Sci A/B
TCH150 Foundations of Cybersecurity

Possible Certifications:
Precision Exams: Computer Programming2- Java
Precision Exams: Computer Programming 2 - Python
Precision Exams: Computer Programming 2 - C++



IT: Network Systems & Cybersecurity

TCH055 Web Communications
TCH325A CompTIA Network+ Certification
TCH325B CompTIA Network+ Certification
TCH462A CompTIA Security+ Certification
TCH462B CompTIA Security+ Certification
TCH150 Foundations of Cybersecurity

Optional Electives:
TCH202 Applied Understanding AI
TCH467 CompTIA A+ Core 1
TCH468 CompTIA A+ Core 2
TCH500 AP Comp Sci Principles A/B
TCH510 AP Comp Sci A/B

Possible Certifications:
Precision Exams: Network Fundamentals
Precision Exams: 21st Century Skills
Precision Exams: Customer Service
Precision Exams: Computer Technology 1&2

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



**Private
Academy**

Suggested electives 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.



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