**Course Descriptions**

**High School**

**English**

**English 9 – 1 Credit**

Develop language arts skills by reading, writing, listening, viewing, and speaking. This course provides text-based research and writing opportunities. You will learn to use the English language to successfully express yourself.

**English 10 – 1 Credit**

Encounter new vocabulary, refine the grammar and mechanics of your writing, and engage in thought-provoking projects. Throughout the course, you will discover how the human experience is the foundation of the best stories, plays, poems, films, and articles.

**English 11 – 1 Credit**

Acquire the language, reading, writing, and speaking/listening skills necessary for success in college, career, and beyond. Become a critical reader and thinker as you dive deeply into the texts presented throughout this course. You will learn how to effectively research and integrate your findings, as well as cite your sources.

**English 12 – 1 Credit**

Build your analytical and critical thinking skills through close readings of a variety of literature and informational texts. Master the writing process with relevant, real-world research activities, and integrate your findings in the completion of argumentative and informational essays. This interactive course presents multiple opportunities to apply your learning in creative and expressive ways.

**Math**

**Algebra I – 1 Credit**

Algebra 1 emphasizes the importance of algebra in everyday life through hundreds of real-world examples. Assessments are designed to ensure that your understanding goes beyond rote memorization of steps and procedures. Upon successful course completion, you will have a strong foundation in Algebra 1 and will be prepared for other higher-level math courses.

**Algebra II – 1 Credit**

You will learn about polynomials, quadratic equations, linear and exponential functions, sequences and series, probability and statistics, and trigonometry. Throughout the course, these mathematical concepts are applied to everyday occurrences to demonstrate how the world around us functions.

**Calculus Honors – 1 Credit**

Study limits, continuity, and differentiation; integrated algebraic, trigonometric, and transcendental functions; and the applications of derivatives and integrals.

**Consumer Math – 1 Credit**

Consumer Mathematics improves math skills by focusing on real world topics. This course is creatively designed to take students on a real-life journey beginning in their teenage years, then moving to life after high school and eventually retirement. Whether solving equations related to income or writing linear functions to better understand inflation, students use a variety of math skills to make informed consumer decisions. This course can be taken in a variety of circumstances including as a 4th year mathematics course with or without taking Algebra II, to reinforce important concepts after taking Algebra I, for the benefit of understanding how mathematics relates to everyday life, or even as a part of a CTE Program of Study.

**Geometry – 1 Credit**

Geometry exists everywhere in the world around you. We use it to build bridges, to design maps, or to create perspective in paintings. Throughout this course, you will use problem solving and realworld applications to gain the knowledge of geometric concepts and their practical uses.

**Integrated Math – 1 Credit**

Integrated Mathematics I is the foundation—the skills acquired in this course contain the basic knowledge needed for all future high school math courses. The material covered in this course is important, and everyone can do it. Everyone can have a good time solving the hundreds of real-world problems algebra can help answer. Course activities make the numbers, graphs, and equations more real. The content in this course is tied to real-world applications like sports, travel, business, and health. This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them. Integrated Mathematics I emphasizes the importance of algebra and geometry in everyday life through hundreds of real-world examples. Assessments are designed to ensure that your understanding goes beyond rote memorization of steps and procedures. Upon successful course completion, students will have a strong foundation in Integrated Mathematics I and will be prepared for other higher level math courses.

**Pre-Calculus Honors – 1 Credit**

Dive deeper into your knowledge of functions by analyzing their key features and combining them to solve real-world problems. Learn about trigonometric functions and their applications, along with new ways to use the coordinate plane to represent different types of functions. Apply these skills to discover the power mathematics has in everyday life and to prepare for advanced mathematical studies in college or your future career.

**Probability and Statistics – 1 Credit**

Students will be introduced to exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference to analyze data and draw conclusions.

**Science**

**Biology – 1 Credit**

The study of Biology builds on the foundations of life science, scientific practices, and scientific thinking skills. In this course students explore the relationship between living things and their environment and develop an understanding of biological concepts through scientific inquiry, investigations, interactive experiences, higher-order thinking, real-world applications, and virtual and hands-on experiences. The key big ideas covered in Biology include cells, heredity, evolution, classification, organisms, populations, and ecosystems. Students can enhance their mastery of biological concepts, which will enable them to make real-world connections and apply their understanding to everyday life.

**Chemistry – 1 Credit**

Chemistry includes a study of atomic structure, and the periodic table, bonding stoichiometry, states of matter and kinetic theory, solutions, acids, bases, and equilibrium, and simple chemical and nuclear reactions. The course includes laboratory experiments designed to reinforce course content.

**Environmental Science – 1 Credit**

Environmental Science Description: This course is centered around achieving global sustainability to meet the needs of a growing human population, while also maintaining natural resources and protecting Earth’s various systems. The short-and long-term consequences of our actions to human health and the environment are also a course focus. With the collaboration of the Guy Harvey Ocean Foundation and additional professional partners, this course highlights the research and field experiences of professors, scientists, conservationists, lawyers, and more, while sharing practical and sensible strategies for preserving the delicate balance between land, ocean, air, and life. In addition, this course creates a call to action for students by teaching them how to protect the world’s biodiversity and resources by adjusting the way they live, work, play, and govern in the future.

**Earth/Space Science – 1 Credit**

This laboratory course focuses on the study of space and the geologic and atmospheric forces that shape our world. Through experimentation and investigation, you will explore Earth’s cycles, including the geosphere, hydrosphere, cryosphere, atmosphere, and carbon cycle.

**Physical Science – 1 Credit**

Ever wonder why more massive objects require more force to move? Perhaps you have questioned how new substances are made or how energy is involved in changes in matter? These are some of the concepts students will be exploring in Physical Science. This course teaches the foundational concepts of physics and chemistry. Using scientific inquiry, interactive experiences, higher order thinking, collaborative projects, and real-world applications students are able to demonstrate an understanding of the physical and chemical phenomena; enabling them to apply these properties to their everyday lives.

**Physics – 1 Credit**

Discover the contributions of geniuses like Galileo, Newton, and Einstein by learning about the concepts, theories, and laws that govern the interaction of matter, energy, and forces.

**Social Studies**

**World History – 1 Credit**

Join Ali and Soo-jin, our modern time travelers, as they journey through history. Discover the connections between world events and eras, from the Roman Empire through the Industrial Revolution, and explore development in our modern world as well as the implications that historical events have on us today.

**American History I – 1 Credit**

Learning about history allows people to see how far we have come and what awaits us on our path to the future. In this course, students will explore the history of the United States and analyze the cause and effect in historical events. They will investigate history by using the tools of a historian to examine the historical, geographic, political, economic, and sociological events that influenced the development of the United States. Students will imagine what it was like to live in the past by reading the stories from the people who experienced it. This course begins with the engaging stories of what brought the earliest American colonists to the New World and ends with the struggles to repair the United States following the Civil War. Engaging in this study allows students to recognize the themes of history that span across centuries and leads to a greater appreciation of the development of the United States and the resulting impact on world history.

**American History II – 1 Credit**

The United States began as an experiment in freedom and democracy. Since its establishment, the country and its people have endured social, political and economic revolutions. In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems.

**American Government - .5 Credits**

Explore the principles that inspired the Constitution, including the Bill of Rights. Examine each branch of government, the election process, and how you can impact public policy. You will also discover how the United States interacts with other countries.

**Economics - .5 Credits**

Economic decisions affect us every day! Become a smart consumer who understands the flow of an economy between individuals, businesses, governments, and the rest of the world.

**World Languages**

**Spanish I – 1 Credit**

Learn basic Spanish grammar to help build your fluency and understanding, and apply what you learn through interactive games, written practice, listening, and speaking exercises.

**Spanish II – 1 Credit**

Strengthen your Spanish listening, speaking, reading, and writing skills while experiencing the beauty and expressiveness of a language that is shared by different people and cultures throughout the world using authentic materials.

**Health and Physical Education**

**Health - .5 Credits**

In this course, students acquire the knowledge and skills they need to lead a healthy life. Semester A focuses on the impact of personal decisions on the student’s own health. Students learn how to find, evaluate, and use reliable information related to a variety of health topics. They also study the basic science behind nutrition, exercise, stress, and psychology, and examine how these factors affect a person’s overall health. Each lesson in the course guides students in applying what they have learned in the lesson to their own lives and choices—and gives them a chance to discuss the topic with peers and instructors.

**Nutrition - .5 Credits**

To keep our body and our mind running like finely tuned machines, we need to use the right fuel. For humans, that means nourishing our bodies with the right foods. In this course, you’ll explore how food affects essential aspects of your life from your weight to how you age to how well you think. You’ll also examine how outside influences- family, peers, and the media- can affect your diet and your perception of food and how to set yourself up for nutritional success. Are you interested in a career in holistic wellness? Start your health journey now with Nutrition and Wellness.

**Personal Fitness I - .5 Credits**

This course was designed to offer three modules of motivation for teens. The modules—Move Strong, Live Well, and Eat Healthy—guide students through learning about strength and endurance training, choosing lifetime fitness activities, and connecting nutrition to lifetime fitness. The course is filled with language and images that reflect strength and diversity to motivate teens and allow them to envision themselves committing to fitness. Student will be required to submit a weekly fitness log.

**Personal Fitness II - .5 Credits**

In this Personal Fitness course, students are required to participate in weekly cardiovascular, flexibility and strength and endurance activities. Students who are unable to participate in such physical exercises will be unable to complete the requirements of this course. Students who have an Individualized Educational Plan (IEP) or some other physical limitation that prevents them from participating in physical activity should seek to enroll in an Adaptive Physical Education course. Students will be required to submit a weekly fitness log.

**Physical Education I - .5 Credits**

Physical Education encompasses learning how to live and maintain a healthy lifestyle. This course covers physical fitness, why it is important, how to have a healthy attitude, and how to stick with a healthy game plan. In this ever-changing world, physical fitness becomes more important and more difficult to find the time for. This course allows the student to discover how to make physical fitness not only a part of their daily life, but also see that it is attainable. This course leads the student to discover healthy behaviors and sets the tone for physical fitness as well as healthy exercise. PE for a Healthy Lifestyle will examine the emotional, physical, and scientific factors that influence physical performance. This course is designed for anyone, ranging from the beginner to advanced abilities.

* Fitness and Health Concepts
* FITT Principles
* Biomechanics Principles
* Health and Fitness Plans
* Weight Training
* Nutrition

**Physical Education II - .5 Credits**

Physical Education encompasses learning how to live and maintain a healthy lifestyle. This course covers physical fitness, why it is important, how to have a healthy attitude, and how to stick with a healthy game plan. In this ever-changing world, physical fitness becomes more important and more difficult to find the time for. This course allows the student to discover how to make physical fitness not only a part of their daily life, but also see that it is attainable. This course leads the student to discover healthy behaviors and sets the tone for physical fitness as well as healthy exercise. PE for a Healthy Lifestyle will examine the emotional, physical, and scientific factors that influence physical performance. This course is designed for anyone, ranging from the beginner to advanced abilities.

* Sportsmanship & Safety
* Sports Strategies
* Skill-Related Fitness
* Movement Skills
* Individual & Team Excellence
* Rhythmic Movement

**Electives**

**Sports Medicine 1a: Introduction - .5 Credits**

What do you think of when you hear the phrase “sports medicine professional”? Believe it or not, the term 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.

**Personal and Family Finance - .5 Credits**

We all know money is essential in life, and the financial decisions you make today may have a lasting effect on your future. Explore how to spend and save your money wisely, and learn key financial concepts around taxes, credit, and money management. Discover how education, career choices, and financial planning can lead you in the right direction to making your life simpler, steadier, and more enjoyable.

**Real World Parenting - .5 Credits**

Do you love children? Maybe you plan on babysitting or having your own someday. Learn how being a parent is much more than merely feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are critical aspects. Learn how to be a positive force in the development of your future children, as well as others around you.

**Life Management Skills - .5 Credits**

Learn how to deal with real issues that impact your everyday life, such as nutrition, substance abuse, stress, and health. Other topics in this course include healthy relationships, sexual health, and bullying. This course provides you with the facts you need to make important and informed decisions.

**Life Skills: Navigating Adulthood - .5 Credits**

What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but they don’t have to be with the right tools. Learn more about yourself and prepare for the future through goal setting, decision making, surviving college and career, and how to become a valuable contributing member of society. It’s your life; make it count!

**Medical Terminology 1a: Introduction - .5 Credits**

It takes a strong team to offer top-notch patient care, and each team member plays in integral role. Are you a team player interested in coordinating patient care? Then a career as a medical assistant may be right for you! In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and explore office roles while building a professional portfolio. Let’s learn what it takes to fill the important shoes of a medical assistant today!

**Medical Terminology 1b: Discovery World Foundations - .5 Credits**

Discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real-world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms.

**Health Science 1: The Whole Individual - .5 Credits**

Finding effective solutions to different health problems is one of our greatest challenges. How close are we to finding a cure for cancer? What’s the best way to treat diabetes and asthma? You’ll be introduced to disciplines such as toxicology, clinical medicine, and biotechnology. Understanding the value of diagnostics and research can lead to better identification and treatment of many diseases, and by learning all the pertinent information and terminology you can discover how this amazing field will contribute to the betterment of human life in our future.

**Anatomy and Physiology I – .5 Credits**

In this course students explore the organization of the human body and how it works. They will acquire knowledge necessary to understand what the body is doing and how they can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body.

* Introduction to Anatomy and Physiology
* Tissues
* Skin-The Largest Organ
* Human Skeleton
* Bone Tissue and Markings
* Axial and Appendicular Muscles
* Skeletal Muscle
* Muscle Contraction
* Physiology of Muscle
* Nervous System
* The Spinal Cord
* The Brain
* Sympathetic and Parasympathetic
* Nerve Conduction
* Senses
* Endocrine System
* Hormones

**Anatomy and Physiology II – .5 Credits**

In this course students explore the organization of the human body and how it works. They will acquire knowledge necessary to understand what the body is doing and how they can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body.

* Cardiovascular System
* Blood Vessels and Electrocardiogram
* Components of Blood
* Homeostasis, Typing, and Transfusion
* Respiratory System
* Digestive System
* Molecules of Life
* Macromolecule Reactions
* Enzymes
* Excretory System
* Excretory Structures
* Immune System
* Lymph System
* Reproductive System
* Fertilization to Birth
* Fetal Circulation

**Criminology: Inside the Criminal Mind - .5 Credits**

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

**Careers in Criminal Justice 1a: Introduction - .5 Credits**

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.

**Careers in Criminal Justice 1b: Finding Your Specialty - .5 Credits**

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.

**Psychology I - .5 Credits**

In Psychology A the student begins with a brief history of psychologists and their experimental methods. Next, they examine personality theories. Then human development from the infant stage through adult stage is explored. Finally, the last part of the course is about consciousness: sleep, dreams, and conscious-altering substances. Students are encouraged to increase their own self-awareness as they move through the course.

**Psychology II - .5 Credits**

Students continue to learn about psychology. Students examine the nature of intelligence in humans and animals, including the origin of intelligence and how to measure it. They learn about learning with an emphasis on classical and operant conditioning. Students also investigate social psychology and psychological disorders. They demonstrate their understanding by completing projects in which they play roles like teacher, parent, and psychologist.

**History of the Holocaust - .5 Credits**

“For the dead and the living, we must bear witness.” Discover the harrowing details of the history of the rise of anti-Semitism that contributed to the start of the Holocaust and the power of the Nazi party. Learn of the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II, and what has been done since to combat genocide.

**Military Careers - .5 Credits**

Do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine. You will learn about the five military branches – Air Force, Army, Coast Guard, Marines Corps, and Navy – and examine which jobs you might like to pursue. From aviation to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

**African American History - .5 Credits**

Throughout U.S. history, how have African Americans helped shaped American culture? This course answers that question by tracing African Americans’ accomplishments and obstacles, beginning with the slave trade on up to the modern Civil Rights movement. Learn about the political, economic, social, religious, and cultural factors that have influenced African American life, meet individuals who changed the course of history, and explore how the African American story still influences current events.

**Sociology I: The Study of Human Relationships - .5 Credits**

Human beings are complex creatures, and when we interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we’re alone? How do we learn how to be “human”? Examine answers to these questions and many more as you explore culture, group behavior, and societal institutions and how they affect human behavior.

**Archaeology: Detectives of the Past - .5 Credits**

Imagine what it must feel like to uncover an artifact from the past! Archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. Explore the techniques, methods, and theories Archaeologists use to conduct their studies to locate and unlock the secrets of a long and colorful past. Let’s get exploring!

**Computer Basics - .5 Credits**

In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

**High School Career Discovery - .5 Credits**

Your future career is likely something you’ve dreamed about since you were a child. Now it’s time to turn that dream into a reality! In this course, you will explore your own strengths, interests, and preferences and use that information to uncover the best career for you! You will explore 17 career clusters, learn about the skills needed to work in different industries, and choose a path to pursue. You’ll build a plan to get you from high school to your first day on the job, and craft a strong portfolio to land your perfect job. You’ve dreamed about your future career. Now it’s time to create a plan and turn that dream into a goal!

**Forensic Science 1: Secrets of the Dead - .5 Credits**

Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, then forensic science may be for you. Explore the riveting job of crime scene analysis, and learn the techniques and practices applied during a crime scene investigation, including how clues and data are recorded and preserved. Discover how technology is applied to make discoveries and bring criminals to justice.

**Forensic Science 2: More Secrets of the Dead - .5 Credits**

The best way to battle crime these days is not with a weapon, but with science. Dig deeper into the science of forensics and the basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology. Find out how scientists use everything from insects to bones to help them solve crimes. And discover how advanced techniques and technology can lead to catching even the craftiest criminal.

**Veterinary Science: The Care of Animals - .5 Credits**

Whether you want to step into the wild side of veterinary medicine or just take care of loveable dogs and cats, explore how to care for domestic, farm, and wild animals, diagnose their common diseases and ailments, and learn about different veterinary treatments. If you have always been drawn to the world of our furry, scaly, and feathered friends, this is the course for you!

**Paleontology - .5 Credits**

From Godzilla to Jurassic Park, dinosaurs continue to captivate us. In this course, students will learn about the fascinating creatures both large and small that roamed the earth before modern man. Watch interesting videos from experts at The Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide amazing insight into early life on earth.

**Astronomy 1a: Introduction - .5 Credits**

Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.

**Astronomy 1b: Exploring the Universe - .5 Credits**

Ready to explore our amazing and dynamic universe even further? You’ll be taken on an exciting journey through the solar system to explore the sun, comets, asteroids, meteors, life cycles of stars, and planets’ properties. Become familiar with the concepts of space travel and settlements, and what it could be like to live and work in space. How exciting!

**Space Exploration - .5 Credits**

In 1961, Yuri Gagarin became the first human to go to space. In 1969, Neil Armstrong became the first human to step on the moon. This comprehensive course will examine the history and future of space travel. Find out how we have put people in space in the past, and what it will take for us to reach new frontiers, including Mars and beyond.

**Marine Science - .5 Credits**

Delve deeply into Earth’s bodies of water and study geologic structures and how they impact the oceans. Investigate characteristics of various populations of aquatic life, patterns of distribution, and ongoing changes occurring in our ecosystem.

**Mythology and Folklore: Legendary Tales - .5 Credits**

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Explore how these compelling tales continue to shape society even today.

**Creative Writing - .5 Credits**

Literature is an important form of art that allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of reality. Explore the writing process and find inspiration to build a story of your own and learn literary techniques to create hybrid forms of poetry and prose. Let’s turn your creative thoughts and ideas into pieces of creative writing.

**Journalism - .5 Credits**

Journalism I provides students with the fundamental basics of journalism. Students begin by exploring the history of American journalism, examining different media such as print, radio, television, and internet journalism. Students learn how to write a news story, a feature story, and an editorial, with a focus on research, analyzing the reliability of sources, conducting interviews, writing leads, revising, and self-editing. Students will also take a close look at different careers in journalism, ethics in journalism, and visual layouts using technology, including web 2.0 tools.

**Gothic Literature: Monster Stories - .5 Credits**

It was a dark and stormy night, and the vampires, ghouls, and undead were on the prowl… Gothic Literature is riddled with the spooky, but did you know that this genre is so much more than a scary form of entertainment? In Gothic Literature, you’ll learn about how some of the world’s greatest authors from the 19th century through today used Gothic elements to tackle issues that needed serious attention: the class system, gender norms, racism, social injustice, and more! Grab your monster gear and explore why Gothic literature has retained its appeal even with today’s audiences.

**Study Skills and Strategies - .5 Credits**

The Study Skills and Strategies course equips students with skills and understandings critical to effective learning. Using a unique approach to the traditional topic of study skills, this course weaves understanding regarding the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, the Study Skills and Strategies course will challenge students to develop intentional approaches to learning. They will be required to make connections between the strategies and skills they learn in this course and the implementation of those strategies and skills in their other coursework. Upon completion of the course, students will have learned a variety of specific learning skills and strategies, gained greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans for any academic course or other learning needs.

**Art Appreciation - .5 Credits**

What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design and explore how artists have used these elements and principles in the creation of art for centuries.

**Music Appreciation - .5 Credits**

Have you ever heard a music piece that made you want to get up and dance, sing, or even cry? Regardless of the genre, music moves us. Explore the elements and pieces of music. And learn through the historical context, musicians and composers, and influence of music from the Middle Ages to the 21st century, on how to listen and really hear the different music that makes up our world.

**Guitar 1 - .5 Credits**

Whether you love music, want to play guitar for your family and friends, or desire to be a professional musician, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will take you through each step of this journey towards becoming a skilled guitarist and musician. No prior music background is required. No prerequisites are required.

* Module 01 Music: the Universal Language
* Module 02 Making Music on the Guitar
* Module 03 Strumming Chords
* Module 04 Reading Guitar Music: Treble Strings

**Guitar 2 - .5 Credits**

Whether you love music, want to play guitar for your family and friends, or desire to be a professional musician, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will take you through each step of this journey towards becoming a skilled guitarist and musician. No prior music background is required. ***Prerequisites: High School Guitar 1A or equivalent knowledge and experience.***

* Module 05 Beginning Music Theory
* Module 06 Reading Guitar Music: Bass Strings
* Module 07 Guitar Ensembles: Duets
* Module 08 The Guitar in American Music

**Piano 1 - .5 Credits**

The piano is often described as the musical instrument that provides beginning musicians with the most logical representation of how music works. For the beginning or the experienced musician, piano keyboard skills are both valuable and enjoyable. High School Piano 1 is an entry level course for students wishing to learn fundamental techniques for playing the piano, while developing the ability to read music and understand basic concepts of music theory. Students will learn to play both familiar and original tunes and songs on the piano using standard music notation. Techniques used in music improvisation and composition are also explored. No prior music background is required. No prerequisites are required.

* Module 01 Let’s Play Piano!
* Module 02 Expanding Your Keyboard Skills
* Module 03 Reading Piano Music
* Module 04 Expanding Your Music Skills

**Animation 1a: Introduction - .5 Credits**

Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it’s time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let’s bring your story to life with animation!

**Javascript Game Design - .5 Credits**

In this course, students will learn how to start programming with JavaScript. Students will learn the basics of JavaScript including testing, functions, objects, arrays, loops, conditional code, operators and syntax basics. Students will learn timing and animations, and how to debug. The class will conclude with a robust project that incorporates everything they learned in the semester.

Students should have a working knowledge of HTML and CSS prior to taking this course.

**Microsoft Word - .5 Credits**

Learn to effectively and efficiently use one of the most common tools of business, school, and personal correspondence! Discover how to format and style documents using fonts, colors and editing tools, create tables, use bullets and numbering, and insert images. Skills you learn in this course can be applied immediately and prepares you to take the MOS Word certification exam, and content is applicable to the Microsoft Office Suite certification exam.

**Microsoft Excel - .5 Credits**

Discover the real-world uses of Microsoft Excel and its impact on business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. Content of this course will also be applicable to the Microsoft Office Suite certification exam.

**Coding I - .5 Credits**

Learning to code is like learning a clandestine language, and now is your chance to get in on the secret! In this course, you will learn about the building blocks of coding. You’ll explore how real-world problems can be broken into algorithms described through coding and then use the approachable and versatile coding language of Python to generate the output you’re looking for. You’ll cover both procedural and object-oriented programming and even create two text-based adventure games along the way. Are you ready to get in on the secret?

**Digital Media - .5 Credits**

Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field!

**Accounting - .5 Credits**

In this semester course, you will explore accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. You will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.

**Sports and Entertainment Marketing - .5 Credits**

The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You ‘ll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let’s get off the sidelines and hop into the primetime of the sporting and entertainment worlds!

**Personal Financial Literacy - .5 Credits**

Saving. Investing. Spending! Learn how to save and spend wisely, the ins and outs of credit, avoidance of identity theft, and how to make the most of investing your hard-earned money. Become a smart financial decision-maker and let your future self-reap the benefits.

**Culinary Arts I - .5 Credits**

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

**History of Gaming and Esports - .5 Credits**

In this course, students will learn about the technologies and design principles that have been the foundation of the development of video game technology over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and e-sports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming.

**Introduction to Robotics & AI - .5 Credits**

It seems like many elementary to high school robotics courses are focused on simply coding a Lego robot to move its mechanical arm up and down. This course, in contrast, teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Then the course examines 10 applications of robots and how they will change and impact various aspects of our lives and the economy. Will robots simply steal our jobs, or will they be a tool that will create new opportunities and even free humans to use our creativity and curiosity to their full potential? Students will grapple with this and many other questions as they explore this vital, future-focused subject.

**Augmented and Virtual Reality Applications - .5 Credits**

Separating hype from reality is hard… especially in the fast-growing and evolving space of augmented and virtual reality (AR/VR). Recent advances in technology has allowed AR/VR systems to become extremely sophisticated and realistic. This course introduces students to the technologies that underpin AR/VR systems. Then the course walks through 7 applications of AR/VR and how they will change and impact numerous aspects of our lives and the economy. Students will also learn about and discuss the risks and side effects of these systems, including health, privacy, and ethical implications.