



JEDI Virtual School Course Offerings 2018-2019 Grades 6-12

JEDI online courses are available to districts needing appropriate course placement for accelerated or remedial elementary, middle, and high school level students. Using the online venue, students remain in their assigned buildings but can access courses appropriate to their educational needs and plan. Grade levels listed are suggested.

SPECIAL NOTE ABOUT JEDI COURSE DESCRIPTIONS---The descriptions you find in this booklet are generic. JEDI uses multiple vendors and the descriptions from vendor to vendor may vary slightly. Course availability is subject to change at any time. If you are a student interested in NCAA eligibility, please contact your Student Services Coordinator. If you want to see a course description that is more detailed, please contact your Student Services Coordinator.

*Indicates a ONE SEMESTER course- offered either semester.
 [1, 2] and [A, B] indicate semester, and varies by vendor.
 Semester 1= [1] or [A]. Semester 2= [2] or [B].

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High School Elective Offerings

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Accounting*

Through this course, students gain a foundation in the skills needed for college accounting courses, office work, and managing their own small businesses. This introduction to accounting gives students who have never had prior accounting training an overview of the three forms of accounting: financial, cost, and management accounting. The course helps build an appreciation for the role of accounting in managing a profitable business. Instructional material covers the basic concepts conventions, and rules of the double entry system and includes techniques for analyzing ratios from a balance sheet. The concept of ethics, integrity, confidentiality, and rigor are woven through all the units.

Prerequisite: None

Grade 9-12

Credit: 0.5

African American History*

Over the course of U.S. history, how have African Americans helped shaped American culture? This African American History course answers that question by tracing the accomplishments and obstacles of African Americans beginning with the slave trade on up to the modern Civil Rights movement. What was it like during slavery, or after emancipation, or during the years of discrimination under Jim Crow? Who were some of the main figures who have shaped African American history? In this course, you'll learn about the political, economic, social, religious, and cultural factors that have influenced African American life, come face to face with individuals who changed the course of history, and explore how the African American story still influences current events today.

Prerequisite: None

Grade 9-12

Credit: 0.5

Agriscience I*

How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Introduction to Agriscience. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agri scientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. In Introduction to Agriscience, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.

Prerequisite: None

Grade 9-12

Credit: 0.5

Agriscience II*

Have you ever strolled past a bright green cauliflower at the market and paused to ponder its unusual color? Ever wonder why "broccoli" is suddenly a thing? Well, if you find yourself curiously questioning these, and other, peculiar vegetables and wondering about the role of agriculture in the modern world, Agriscience II is for you. Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. Food is our most essential resource; see how plant science will change the face of eating in the 21st century and give us the knowledge to continually improve our green thumbs.

Prerequisite: None

Grade 9-12

Credit: 0.5

Anthropology*

This class is designed to look at both the social and physical areas of anthropology. Topics included will be the nature of culture, the organization of social relations, archeology, human evolution, and the relationships between values and behavior. Attention to the human use of culture in adapting to environments and to language, technology, kinship, and religion as cultural systems. Students will participate in case studies of Western and Non-Western peoples, historic and prehistoric cultures. This course requires access to a scanner.

Prerequisite: None

Grade 9-12

Credit: 0.5

Archaeology *

This course has all of the instructional design features of the Anthropology class and complements and supports this fascinating area of historical inquiry. Archaeology is the scientific study of past human culture and behavior, from the origins of humans to the present. Archaeology studies past human behavior through the examination of material remains of previous human societies. These remains include the fossils (preserved bones) of humans, food remains, the ruins of buildings, and human artifacts—items such as tools, pottery, and jewelry. From their studies, archaeologists attempt to reconstruct past ways of life. Archaeology is an important field of anthropology, which is the broad study of human culture and biology. Archaeologists concentrate their studies on past societies and changes in those societies over extremely long periods of time.

This course requires access to a scanner.

Prerequisite: None

Grade 9-12

Credit: 0.5

Art Appreciation*

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.

Prerequisite: None

Grades: 9-12

Credit: 0.5

Art History*

Art History is a survey of Art throughout time. It introduces art principles and instructs students to look at art within the context of which it was made - its history. Exploration of the cultures that created significant buildings, sculptures, paintings, etc. are a key factor in understanding the importance and relevance of Art. Art History A provides the essential information and focus for this exploration. This course leads students from the drawings and structures of Prehistoric Man, through thousands of years of human creativity and innovation, and concludes with the Renaissance period. In Art History A students will take an exciting journey back through time, and across the globe to discover important works of art and the cultures in which they were made. In this course, innovation and creativity in the world of art will be explained and explored. Key pieces of art will be identified and discussed, and students will have the opportunity to see a variety of cultures and events through the lens of visual art. The course starts with a look at art from the Prehistoric Age. The shift to permanent dwellings is explored next in the Ancient cultures of Mesopotamia and Egypt with the architecture that signals humanity's need to influence the environment. The works of Ancient Greece and Rome are examined

along with a look outside Europe to Africa and the Americas. The course ends with a look at Medieval and Renaissance Art, and how new techniques and focus influence art all over the globe.

Prerequisite: None

Grade: 9-12

Credit: 0.5

Art In World Cultures*

Who is the greatest artist of all time? Is it Leonardo da Vinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? You will learn about some of the greatest artists while also creating art of your own, including digital art. We will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

Prerequisite: None

Grade: 9-12

Credit: 0.5

Arts Careers*

For every Broadway dancer, every television star, and every pop singer, there are countless people behind the scenes helping to make it happen. Arts Careers introduces students to the skills that are part of many fascinating careers in the arts. Studying the arts creates independent and innovative thinkers and many doors are open to an artist with the proper training.

This course requires a digital camera, video camera, and video software. A camera phone, DSLR, and other devices with a camera are acceptable. iMove and other video editing software is acceptable.

Prerequisite: None

Grade: 9-12

Credit: 0.5

Astronomy [1], [2]

This course is a survey of descriptive astronomy; this course provides an understanding of the solar system, the night sky, and some of the practical aspects of astronomy. Topics covered include the earth-moon-sun relationships, the structure and dynamics of the solar system, stars and their properties, and the cosmology of the universe. Also, included is the historical development of astronomy and the role human behaviors and beliefs have played in its development.

This course requires that the student take a picture and submit a photo as part of an assignment.

Prerequisite: None

Grade: 10-12

Credit: 0.5 per semester

Basic Drawing*

In Basic Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in your their home and community.

Your work will be your own study of the forms, textures, movements, and patterns of the things that you see every day. Each project and each lesson is based on the one before it; so always do the lessons in the order they are given. Be sure to follow the directions exactly regarding which materials, sizes, and subject matter to use for each project. Each lesson will be a study of a new way of drawing. The examples given will show only the method and materials to be used, never the same subject or size as the project assigned. The examples are never to be copied. An example will only show one way of using the technique described. By becoming more observant, by experimenting with new materials, and by exploring a variety of methods, students will continue to grow in artistic skill and enjoyment. Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade: 9-12

Credit: 0.5

Beginning Painting*

This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context. The hope is that students will use this global approach to develop a “critical eye” in evaluation of contemporary painting. Acrylic and watercolors are the mediums used in this class. The main emphasis of this course is to encourage and nourish individuality and creativity.

Prerequisite: None

Grade 9-12

Credit: 0.5

Biotechnology*

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science’s most pressing concerns? The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence through the enhancement of food and medicine. In *Biotechnology: Unlocking Nature’s Secrets*, you’ll learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved systems. Learn about the history of biotechnology and some of the challenges it faces today, such as resistant bacteria and genetically modified organisms in food. You will research new biotechnologies and understand firsthand how they are forever changing the world we live.

Prerequisite: None

Grade: 9-12

Credit: 0.5

British and World Literature [1,2]

British and World Literature is a streamlined survey of British literature that illustrates the origins of English-language literature and reflects its reach beyond the British Isles. The course is standards-based. Each activity correlates to state standards in six core areas: reading, writing, language (appreciation and aesthetics), listening and speaking, viewing and representing (including media literacy), and research. The course gives students meaningful practice in fundamental literacy skills while introducing them to classics of British and world literature. Throughout the course, students are encouraged to think and respond independently, critically, and creatively to the subject matter, whether it's a work of literature, a piece of nonfiction writing, or a media work. The course emboldens students to approach these works — both on their own terms and within a larger context — while providing them with the tools and encouragement they need in order to do so. Summaries and annotations support fluency and comprehension of all reading material. Robust scaffolding in the form of process guides and graphic organizers helps reluctant writers to internalize strategies and develop composition skills. Select activities target text-handling skills and promote improved performance on commonly assessed literary analysis and response standards. Study sheets support engagement with direct instruction and develop note-taking and study skills. The content is based on the National Council of Teachers of English (NCTE) standards and is aligned to state standards.

Prerequisite: English 10

Grade 11-12

Credit: 0.5 per semester

Business Applications*

Business Applications prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success, and then work to develop an understanding of professional communications and leadership skills. In doing so, students gain proficiency with word processing, email, and presentation management software. This course allows students to explore careers in business while learning skills applicable to any professional setting.

Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them. Business Applications is an introductory level Career and Technical Education course applicable to programs of study in business, management, and administration; information technology; and other career clusters. This course is aligned with state and national standards. Students who successfully complete the course can go on to obtain the Microsoft® Office Specialist: Microsoft® Office Word certification.*

*Microsoft is a registered trademark of Microsoft Corporation in the United States and/or other countries.

Prerequisite: None Grade 9-12 Credit: 0.5 per semester

C++ Programming*

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

Prerequisite: None Grade 9-12 Credit: 0.5

Career Planning*

The Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.

Prerequisite: None Grade 9-12 Credit: 0.5

Careers in Criminal Justice*

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

Prerequisite: None Grade 9-12 Credit: 0.5

Child Development*

The study of children is an important topic for everyone to learn. All students are influenced by their childhood and upbringing; those experiences have made them who they are. When students learn to understand children, communication with them is more efficient. This also has the potential for students to learn more about themselves in the process. During this course, students will learn about the various stages of child development and the ways children grow and change. More importantly, students will learn how to understand children and their various needs. Maybe some students will want to work with children in the future as a result. They will discover that teachers are not the only people who work with kids; other possible career choices are a pediatrician, a counselor, or even a social worker just to name a

few. Whatever students have set for their career goals, learning about children will get them one step closer to that chosen career path.

Prerequisite: None

Grade 9-12

Credit: 0.5

Civics*

In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal, state and local government, the justice system, political systems, the environment, and the economy. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and PowerPoint presentations to enhance and reinforce learning. Learners receive frequent feedback from teacher and peers through discussions. By the end of the course students will have a deep understanding of their civic responsibilities as well as the difference one individual can make in society.

Prerequisite: None

Grade 9-12

Credit: 0.5

College and Career Preparation I*

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers. College and Career Preparation II builds on the lessons and skills in College and Career Preparation I. The course provides a step-by-step guide to choosing a college. It walks students through the process of filling out an application, including opportunities to practice, and takes an in-depth look at the various college-admission tests and assessments, as well as financial aid options. College and Career Preparation II also instructs students in interviewing techniques and provides career guidance. Students explore valuable opportunities such as job shadowing and internships when preparing for a career. Students who complete this course obtain a deeper understanding of college and career readiness through informative, interactive critical thinking and analysis activities while sharpening their time management, organization, and learning skills that they learned in College and Career Preparation I. College and Career Preparation II prepares students with the knowledge and skills to be successful in college and beyond. The course is based on the American School Counselors Association National Standards for school counseling programs.

Prerequisite: None

Grade 9-12

Credit: 0.5

College and Career Preparation II*

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers. College and Career Preparation II builds on the lessons and skills in College and Career Preparation I. The course provides a step-by-step guide to choosing a college. It walks students through the process of filling out an application, including opportunities to practice, and takes an in-depth look at the various college-admission tests and assessments, as well as financial aid options. College and Career Preparation II also instructs students in interviewing techniques and provides career guidance. Students explore valuable opportunities such as job shadowing and internships when preparing for a career. Students who complete this course obtain a deeper understanding of college and career readiness through

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Prerequisite: None

Grade 9-12

Credit: 0.5

Computer Basics*

Computers have not only transformed the workplace, but have also become the method of delivery for education. Knowing some simple skills, such as keyboarding and the use of typical office software, will make their education much more productive. This course is designed to teach keyboarding to the level of proficiency needed to communicate successfully online. This course also teaches the use of word processing, drawing, spreadsheet, presentation, and Internet software. Finally, the capabilities, ethics, safety, and rules for Internet use are introduced. After taking this course, students should be able to use the computer productively for their school, work, and everyday lives.

Prerequisite: None

Grade 9-12

Credit: 0.5

Computer Concepts*

Want to learn a little bit about everything about computers? This is an introductory course in computer science that includes units on how a computer works, computer hardware, operating systems, networking, programming, and web design.

Prerequisite: None

Grade 9-12

Credit: 0.5

Concepts of Engineering and Technology

What if you could do the impossible? Engineers understand a lot of things, but the word *impossible* definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word *impossible* really exists.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Cosmetology*

Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.

Prerequisite: None

Grade 9-12

Credit: 0.5

Creative Writing*

The purpose of this course is to enable students to develop and use fundamental writing and language skills for creative expression in a variety of literary forms. Emphasis will be on development of a personal writing style. Students will analyze literary models and engage in peer review techniques.

Prerequisite: None

Grade 9-12

Credit: 0.5

Creativity, Activity, Service, Learning*

Students will search for, plan, and take part in activities that help them learn how to be active, inquiring, and participating citizens in their communities. The Creative segment of the course will require students to seek out and participate in creative activities that they find enjoyable. The Activity segment of the course will require the student to participate in some type of physical activity, preferably one in their community but the focus is to be active and participate in activities that could be a part of a healthy and active “lifetime” experience. The Service Learning segment will require that the student create or participate in activities that will meet a need in their community AND illustrate the use and extension of the skills and knowledge being learned in their classroom coursework. In addition to logging the required activity and project time and experiences, the course will include units and activities to build the student’s knowledge of “what’s out there” and what others are doing to build strong communities and be active members of society.

This course is not available in block format; it is only available for 18 weeks.

Prerequisite: None

Grade 9-12

Credit: 0.5

Criminology*

In today’s society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don’t? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments.

Prerequisite: None

Grade 9-12

Credit: 0.5

Digital Arts*

The purpose of this course is to provide students with an introduction to visualization graphics programming on personal computers. The course will focus on using a digital camera and practical application of digital imaging programs. Students will learn how to place images in photos and how to mock up drawings of three-dimensional spaces.

A digital camera is required for this course.

Prerequisite: None

Grade 9-12

Credit: 0.5

Digital Photography I*

Have you ever wondered how photographers take such great pictures? Have you tried to take photographs and wondered why they didn’t seem to capture that moment that you saw with your eyes? The Digital Photography I course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs.

A digital camera is required for this course.

Prerequisite: None

Grade 9-12

Credit: 0.5

Digital Photography II*

Ethics*

The purpose of this course is to help students develop the ability to make reasoned and ethical choices when confronted with the many complex, controversial moral dilemmas faced in today's society. Students will become acquainted with the foundations of ethical thought and theories as well as gain an insight into the process of moral development. Students will also identify typical fallacies in flawed moral arguments. Students will also be given the opportunity, both orally and in writing, to apply the skills they acquire to real life moral dilemmas.

Prerequisite: None

Grade 9-12

Credit: 0.5

Fashion and Interior Design [1, 2]

Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field. Students will need a sewing machine to complete this course. Students in this course have 1 or more units that emphasize the use of sewing tools and hands-on use of tools of the trade. Students must have use of a sewing machine and basic sewing supplies; including but not limited to fabric, needle, thread, scissors, fabric shears, tape measure, thread, and bobbin. It may also be helpful to have a sketchpad. Purchase of these materials is the responsibility of the student and must be considered and discussed with parents/guardians prior to enrolling in the course. The successful Fashion & Design students will gain hands-on practice creating an outfit, or at least 1 garment piece using the sewing tools/supplies.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Financial Literacy*

The purpose of this course is to provide students with the essential understandings about managing their money. The focus will be on sources of personal income, saving, and spending patterns. Students will learn such things as how to budget, how to make large purchases, how to invest, and how to minimize taxes.

Prerequisite: None

Grade 9-12

Credit: 0.5

Forensic Science [1, 2]

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 trace 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.

Prerequisite: Biology,
Chemistry

Grade 11-12

Credit: 0.5

Game Design*

Are you a gamer? Do you enjoy playing video games or coding? Does the idea of creating and designing your own virtual world excite you? If so, this is the course for you! Tap into your creative and technical skills as you learn about the many aspects involved with designing video games. You will learn about video game software and hardware, various gaming platforms, necessary technical skills,

troubleshooting and internet safety techniques, and even the history of gaming. And to top it all off, you'll even have the opportunity to create your very own plan for a 2D video game! Turn your hobby into a potential career and go from simply being a player in a virtual world to actually creating one.

****Not Chromebook compatible. Must be able to install software locally.***

****Course under revision. Please contact your Student Services Coordinator before requesting.***

Prerequisite: None

Grade 11-12

Credit: 0.5

Gothic Literature*

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

Prerequisite: None

Grade 10-12

Credit: 0.5

Graphic Design *

Graphic Design is an introduction to elements of design, spatial relationships, typography and imagery as they apply to practical visual solutions for self-promotion, resumes, logo design, Web design, and sequential systems. In this course, the student explores the basic foundations of design through a series of visual projects that explore the principles and elements of design. Students will work both with analog and digital media as they explore two-dimensional and three-dimensional design along with color theory. This course will help develop and explore a student's ability to communicate visually. In each lesson students acquire new skills, which take some effort. Beyond fundamental skills are various levels of creativity. Each lesson provides room for a student to express the technical skill learned in his or her own creative way.

Prerequisite: None

Grade 9-12

Credit: 0.5

Great Minds in Science*

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

Prerequisite: None

Grades: 9-12

Credit: 0.5

Guitar I [1, 2]

Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, 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 Summer, will guide you through each step of this journey towards becoming a skilled guitarist and musician.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Health Sciences I: The Whole Individual*

We know the world is filled with different health problems and finding effective solutions 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? How are such illnesses as meningitis and tuberculosis identified and diagnosed?

Health Sciences I: The Whole Individual provides the answers to these questions and more as it introduces you to such health science disciplines 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 human life in our future.

Prerequisite: None

Grade 9-12

Credit: 0.5

Health Sciences II: Patient Care & Medical Services*

Are you looking for a job that's challenging, interesting, and rewarding? These three words describe many of the different careers in health care, and Health Sciences II: Patient Care and Medical Services will show you how to become part of this meaningful vocation. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.

Prerequisite: Health Science I

Grade 9-12

Credit: 0.5

Hospitality & Tourism*

Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. Hospitality and Tourism: Traveling the Globe will introduce you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.

Prerequisite: None

Grade 9-12

Credit: 0.5

Human Resources Principles [1, 2]

Human Resources Principles examines the main functions of human resources management, including planning, recruitment, selection, training, development, compensation, and evaluation. In so doing, the course provides students with the tools to hire, manage, and fire employees. Students will also explore the unique role of human resources in the larger organization. This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create a recruiting plan, develop a strategy to promote a positive organizational culture, and analyze the impact of globalization on the human resources. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities of interest to them. Human Resources Principles is a full-year intermediate or capstone Career and Technical Education course applicable to programs of study in the Business, Management and Administration career cluster. This course is built to state and national standards. Students who successfully complete the course will be prepared to pursue certifications such as Associate Professional in Human Resources™, Certified Administrative Manager, or Certified Associate in Project Management (CAPM).

Prerequisite: None

Grade 9-12

Credit: 0.5

Information Technology Applications*

Information Technology Applications prepares students to work in the field of Information Technology. Students will be able to demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the Internet, web publishing, spreadsheets and database software.

Through a series of hand-on activities, students will learn what to expect in the field of Information Technology and begin exploring career options in the 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 aligned with 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.

This course requires access to a business productivity-type software, such as Microsoft Office.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Intermediate Business & Marketing*

Intermediate Business and Marketing provides the intermediate knowledge and skills students need for careers in business and marketing. Students analyze the impact of government, legal systems, and organized labor on business; develop an understanding of business communications and management; and explore legal, ethical, and financial issues in business and marketing. Furthermore, students delve into basic economic concepts including personal finance, economic systems, cost-profit relationships, and economic indicators and trends. Using hands-on activities, students reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant real-world inspired scenarios. This course focuses on developing knowledge and skills around marketing and management, while also focusing on economics and financial literacy. This course also allows students to explore career options in business and marketing. Intermediate Business and Marketing is as an intermediate-level Career and Technical course for programs of study in Business Administration and Management. This course is aligned with state and national standards.

Prerequisite: Intro to Business

Grade 10-12

Credit: 0.5 per semester

& Marketing

International Business*

How does international business affect you and your future? It is an ever-changing interesting field that affects everyone across the globe. Consumers buy products made in countries all around the world. International trade and global competition change employment opportunities for workers. This course explores international business topics such as international communications, customs, trade practices, languages, legal systems, currency systems and roles of individuals.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Business and Marketing*

Introduction to Business and Marketing provides the foundational knowledge and skills students need for careers in business and marketing. Students begin exploring roles and functions that business and marketing play in a global society, develop an understanding of the marketplace, as well as understanding product placement and promotion. Using hands-on activities, students reinforce, apply and transfer academic knowledge and skills to a variety of interesting and relevant real-world inspired scenarios. This course focuses on developing knowledge and skills around marketing, pricing, and distribution, while also focusing on economics and interpersonal skills. This course also addresses exploring career options in marketing as well as securing and keeping a job. Introduction to Business and Marketing is as an introductory-level Career and Technical course for programs of study in Business Administration and Management. This course is aligned with state and national standards.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Culinary Arts*

Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for

family gatherings and social functions with friends. In this course, you will learn all about food including food culture, food history, food safety, and current food trends. You'll also learn about the food service industry and try your hand at preparing some culinary delights. Through hands-on activities and in-depth study of the culinary arts field, this course will help you hone your cooking skills and give you the opportunity to explore careers in this exciting industry. Students will need access to groceries, appliances, and cooking utensils. Students enrolled in this course must have availability of food ingredients and cooking supplies needed to complete preparation of simple recipes. Cost of these food supplies are the responsibility of the student. These costs should be considered and discussed with your parent/guardian prior to enrolling in this course. The successful Culinary Arts student will gain hands-on practice preparing foods.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Forestry & Natural Resources*

Whether you are a treehugger or not, everyone loves the beauty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Manufacturing*

Think about the last time you visited your favorite store. Now picture the infinite number of products you saw. Have you ever wondered how those things made it to the shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! If you thought manufacturing meant mundane assembly lines, this course will show you how exciting, creative, and practical this industry can be.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Nursing I*

This two semester course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Military Careers*

Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, 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, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. 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.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Renewable Technologies*

Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Social Media*

Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on social media platforms is crucial to surviving and thriving in this age of digital communication. In Introduction to Social Media, you'll learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit—personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Prerequisite: None

Grade 9-12

Credit: 0.5

Introduction to Women's Studies*

Maybe you grew up watching movies with female characters like Cinderella, Belle, Snow White, or Ariel. Maybe you've wondered why there are stereotypes about women being bad drivers or ignorant about sports. Maybe you want to know about feminism and the women's movement. The Introduction to Women's Studies: A Personal Journey Through Film can help you answer these questions. Though it focuses on the experience of women, it's appropriate for anyone who wants to learn to critically examine films while learning about the history of the women's movement and how gender, race, and social class influence us. Women have earned their right to stand up and be recognized as equal partners and reap the benefits of their hard work. As the anonymous quote goes, "History is Herstory too..

Prerequisite: None

Grade 9-12

Credit: 0.5

Journalism*

If you're the first to know what's going on in your school or town, or the first to post on Facebook or Instagram about your favorite TV shows or favorite celebrities, then you're just the person that every online, in-print, and broadcast news outlet is looking for. And Journalism: Investigating the Truth is the perfect course for you! In this course, you'll learn how to write a lead that grabs your readers, how to write engaging news stories and features, and how to interview sources. You'll also learn about the

history of journalism, how to succeed in the world of social media news, and how to turn your writing, photography, and people skills into an exciting and rewarding career.

Prerequisite: None

Grade 9-12

Credit: 0.5

Law & Order*

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

Prerequisite: None

Grade 9-12

Credit: 0.5

Lord of the Rings*

Hobbits, Orcs, wizards, dashing knights, and powerful elves are all part of the magic created in J.R.R. Tolkien's famously epic tale, *The Lord of the Rings*. For years, the vivid characters within this beloved story could exist only in the readers' minds—until it was adapted into a movie that allowed fans to finally see, through the eyes of Hollywood magic and brilliant technology, the manifestation of these characters onscreen. What does it take to transport these well-known images like Gollum and the Shire from dusty pages to the giant screen? In *The Lord of the Rings: An Exploration of the Films & Its Literary Influences*, you will see first-hand how classic literature can become modern film and bring the fantasy alive for a whole new generation of believers.

Prerequisite: None

Grade 9-12

Credit: 0.5

Marine Science*

About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make exciting new discoveries about marine life every day. In this course, students will discover the vast network of life that exists beneath the ocean's surface and study the impact that humans have on the oceans.

Prerequisite: None

Grade 9-12

Credit: 0.5

Media and Communication*

From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

Prerequisite: None

Grade 9-12

Credit: 0.5

Media Literacy *

Media Literacy teaches students how to build the critical thinking, writing, and reading skills required in a media-rich and increasingly techno-centric world. In a world saturated with media messages, digital environments, and social networking, concepts of literacy must expand to include all forms of media. Today's students need to be able to read, comprehend, analyze, and respond to non-traditional media with the same skill level they engage with traditional print sources. A major topic in Media Literacy is non-traditional media reading skills, including how to approach, analyze, and respond to advertisements, blogs, websites, social media, news media, and wikis. Students also engage in a variety of writing activities in non-traditional media genres, such as blogging and podcast scripting. Students

consider their own positions as consumers of media and explore ways to use non-traditional media to become more active and thoughtful citizens. Students learn how to ask critical questions about the intended audience and underlying purpose of media messages, and study factors which can contribute to bias and affect credibility. The course content is based on The National Association for Media Literacy Education's Core Principles of Media Literacy Education, as well as aggregate state standards and research into best pedagogical practices.

Prerequisite: None

Grade 9-12

Credit: 0.5

Medicine*

This course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students review basic human anatomy and physiology, then study major health concerns affecting people in the U.S. and the world. This comprehensive, 10-unit course examines such topics as infectious diseases, cancer, traumatic injuries, and healthcare career opportunities.

Prerequisite: None

Grade 9-12

Credit: 0.5

Multicultural Studies*

Multicultural Studies is a one-semester elective history and sociology course that examines the United States as a multicultural nation. The course emphasizes the perspectives of minority groups while allowing students from all backgrounds to better understand and appreciate how race, culture and ethnicity, and identity contribute to their experiences. Major topics in the course include identity, immigration, assimilation and distinctiveness, power and oppression, struggles for rights, regionalism, culture and the media, and the formation of new cultures. In online Discussions and Polls, students reflect critically on their own experiences as well as those of others. Interactive multimedia activities include personal and historical accounts to which students can respond using methods of inquiry from history, sociology, and psychology. Written assignments and Journals provide opportunities for students to practice and develop skills for thinking and communicating about race, culture, ethnicity, and identity.

The content and skill focus of this interdisciplinary course is based on the National Council for the Social Studies (NCSS) Expectations of Excellence: Curriculum Standards for Social Studies as well as the National Standards for History published by the National Center for History in Schools (NCHS).

Prerequisite: None

Grade 9-12

Credit: 0.5

Music Appreciation*

Whether a sheet of music seems like a foreign language to you or music is your life, Music Appreciation has something to offer. This course begins with an overview of the building blocks of music, such as rhythm, acoustics, instruments, and orchestration. Next you will learn about the role of music in society, the aesthetics of music, and how to evaluate a piece of music. From there, you will study music history, beginning with medieval chants and leading all the way to present-day movie music. Finally, you will study music from around the world. This course is a must for aspiring musicians and avid listeners alike.

Prerequisite: None

Grade 9-12

Credit: 0.5

Mythology and Folklore*

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch

as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still to shape society today.

Prerequisite: None

Grade 9-12

Credit: 0.5

Online Literacy Course*

This course is focused on building a strong online learner and communicator. The topics range from digital footprints, to online navigation tools, and critical writing and citing skills. A central theme is developing effective online communication habits and effective written communication skills. The goal is for the student to exit the course as an independent online worker who is able to manage the online learning environment.

Prerequisite: None

Grade 6-12

Credit: 0.5

Paleontology*

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.

Prerequisite: None

Grade 9-12

Credit: 0.5

Peer Counseling*

Are you the person that people come to for advice? Does it seem that your friends always talk to you about their problems? If so, Peer Counseling may be the perfect course for you. It offers ways for you to explore this valuable skill and better understand how it can make a difference in the lives of others. Helping people achieve their personal goals is one of life's most rewarding experiences, and Peer Counseling will show you the way to provide support, encouragement, and resource information. Learn how to observe others as a Peer Counselor as you carefully listen and offer constructive, empathic communication while enhancing your own communication skills.

Prerequisite: None

Grade 9-12

Credit: 0.5

Personal Finance*

Understanding financial management concepts is an important life skill. From credit to insurance to taxes, it is imperative that students understand the consequences of their choices. Wisely managing their money, students become citizens that are more responsible. A thorough understanding of financial concepts, with practical application through activities and projects, will enable students to leave this course with applicable, useful skills for life. This course surveys the basic personal financial needs of most individuals and emphasizes the basics of budgeting, saving, checking, investments, credit, the wise use of insurance, and paying and preparing income tax returns. After high school, students face a world filled with possibilities, and the more knowledge they can acquire, the higher the probability that their financial future will be secure. Students taking this course will learn to better prepare for their financial futures.

Prerequisite: None

Grade 9-12

Credit: 0.5

Philosophy*

Go on an exciting adventure covering over 2,500 years of history! Along the way, you'll run into some very strange characters, like the dirty barefoot man who hung out on street corners pestering everyone with questions, or that eccentric fellow who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the world's most brilliant and influential thinkers and originated the fundamental ideas of Western civilization.

Introduction to Philosophy: The Big Picture asks some of the same questions these great thinkers pondered, so by the time you've "closed the book" on this course, you will better understand yourself and the world around you—from atoms to outer space and everything in between.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Photojournalism*

A powerful image can tell an eloquent story without words. Students in Photojournalism will be introduced to some of the pioneers who set the standards for this unique way of storytelling. As they study the principal types of photojournalism and the ethical responsibilities a photojournalist has behind the lens, students will develop their own storytelling skills through their writing and their photographs.

This course requires a digital camera (tripod, lenses, lights optional).

Prerequisite: None

Grade 6-8

Credit: 0.5

Principles of Agriculture, Food, & Natural Resources*

Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Principles of Public Service*

Ambulances scream along, heading toward those in need. But who makes sure someone is there to answer the 9-1-1 call? When you take a pill, who has determined that drug is safe for the public? All of these duties are imperative to our comfort and success as a society. Public service is a field that focuses on building a safe and healthy world, and in Principles of Public Service: To Serve and Protect you will be introduced to its many different career choices. The protection of society is not only one of our greatest challenges, it also provides ways for people to work together to ensure safety and provide indispensable services. If you've ever contemplated being one of these real-life heroes, now is the time to learn more.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Psychology*

Psychology provides a solid overview of the field's major domains: methods, biopsychology, cognitive and developmental psychology, and variations in individual and group behavior. By focusing on significant scientific research and on the questions that are most important to psychologists, students see psychology as an evolving science. Each topic clusters around challenge questions, such as "What is happiness?" Students answer these questions before, during, and after they interact with direct instruction. The content is based on the American Psychological Association's National Standards for High School Psychology Curricula. The teaching methods draw from the National Science Teachers Association (NSTA) teaching standards.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Public Speaking*

Does the thought of speaking in front of people makes you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking may be just what you need. In this class you will learn from famous orators, like Aristotle and Cicero, how to communicate effectively, uphold your arguments, and effectively collaborate with others. You'll master the basics of public speaking through practice—such as building a strong argument and analyzing the speeches of others—eventually learning to speak confidently in front of large groups. Grab your notes and get ready to conquer public speaking.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Reading Comprehension*

This course is divided into five sections, and along the way you will be introduced to two different approaches to reading comprehension. We will start out slowly with small reading portions and gradually move towards longer, graduated reading selections. The main objective of this course is to help the student develop skills and tools to become a strong, confident and successful reader. This course will introduce the student to several different reading comprehension techniques. By the time the student has completed the course, the goal is that he/she will be able to pick a couple of favorites and use them in real-life reading situations. The student is required to read Night, by Elie Wiesel, and must also watch one of the following movies:

The Pianist (directed by Roman Polanski)

Night and Fog(directed by Alain Resnais)

Schindler's List (directed by Steven Spielberg)

Shoah(directed by Claude Lanz-mann)

Sophie's Choice(directed by Alan J. Pakula)

Life Is Beautiful (directed by Roberto Benigni)

The Sorrow and the Pity (directed by Marcel Ophuls)

Jacob the Liar (directed by Peter Kassovitz)

Prerequisite: None

Grade 9-12

Credit: 0.5

Reading Skills*

The purpose of this course is to help students acquire the skills that effective readers use and enhance the ability of students to use these skills when interacting with grade level text. The course will focus on comprehension, vocabulary, fluency, and word recognition skills. It will also utilize a variety of reading passages to reinforce these skills. This course is designed to assist students in developing fundamental reading skills needed to become successful learners. Emphasis is placed on strategies intended to aid them in eventually maneuvering age appropriate reading material by introducing and reinforcing reading strategies. Students will be exposed to, or reintroduced to, such recognized strategies as site words, semantics in order to increase their reading abilities and fluency. Once the student has received instruction on how to read, they will be instructed on comprehension building activities including the active reading process, and literary. Throughout this course, students will work on various reading projects and activities designed to build reading ability and confidence. Students will see a progressive increase of difficulty on reading materials so they can use their newly acquired reading skills.

This course requires that the student have access to newspaper articles.

Prerequisite: None

Grade 6-8

Credit: 0.5

Real World Parenting*

Do you love children? Maybe you dream of being a parent someday. But perhaps you are also asking yourself, just how, exactly, do you learn to parent? Learning how to care for children while teaching

them confidence and accountability is not an easy feat. In Real-World Parenting, you'll learn that being a parent is much more than simply feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are all critical aspects as well. You'll learn how to be a positive force in the development of your future children as well as others around you.

Prerequisite: None

Grade 9-12

Credit: 0.5

Renewable Energy*

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Prerequisite: None

Grade 9-12

Credit: 0.5

Restaurant Management*

Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.

Prerequisite: None

Grade 9-12

Credit: 0.5

Sales & Advertising Promotion*

What comes to mind when you think of 'marketing'? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There's no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately \$200 billion promoting their products and services—and that's just in the United States alone! You may be familiar with being on the receiving end marketing, but what's it like on the other side? In Advertising and Sales Promotions, you'll see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. You'll learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

Prerequisite: None

Grade 9-12

Credit: 0.5

Sociology I*

Human beings are complex creatures; however, when they 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"? Sometimes it can feel as if there are more questions than answers. Sociology I: The Study of Human Relationships seeks to answer these questions and many more as it explores culture, group behavior, and societal institutions and how they affect human behavior. You'll learn how social beliefs form and how this shapes our lives. How does this happen? Join us and find out.

Prerequisite: None

Grade 9-12

Credit: 0.5

Sociology II*

Why do people disagree on so many big issues? Where do culture wars come from? Maybe you've wondered this as you've looked through your social media feed or read the latest online article about

groups fighting over different social issues. Sociology II: Your Social Life takes a powerful look at how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Although the reality of the battles isn't always pretty, gaining a clearer picture of the different sides can help you better understand how our lives are shaped by entertainment, social institutions, and social change.

Prerequisite: None

Grade 9-12

Credit: 0.5

Space Exploration*

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.

Prerequisite: None

Grade 9-12

Credit: 0.5

Sports & Entertainment Marketing*

Whether you are watching a famous athlete make an unbelievable play or witnessing a sensational singing performance, the world of sports and entertainment is never boring. Although it may seem impossible for you to be a part of this glittery world, it's not! The Sports and Entertainment Marketing field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamour. Explore basic marketing principles while delving deeper into the multibillion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful. This course will show you exactly how things work behind the scenes of a major entertainment event and how you can be part of the act.

Prerequisite: None

Grade 9-12

Credit: 0.5

Study Skills and Strategies*

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.

Prerequisite: None

Grade 9-12

Credit: 0.5

Style and Rhetoric*

This course is designed to improve reading and writing. Students will go beyond identifying content (what authors say in their writing) to how they express their thoughts and why they express them the way they do. Students will apply techniques to discover in your critical reading to your own writing as you produce a children's story and write a poem based on a piece of art.

Students will focus on rhetoric (or the art of persuasion), as it exists in advertising and nonfiction. This portion of the course will include the study of persuasive techniques in advertising, illogical arguments and faulty reasoning, and webpage evaluations. The work will culminate with projects that require the application of knowledge of rhetoric to create a parody ad and a mock web page and writing

a persuasive essay. In addition to critical reading and related writing, you will master the rules of Standard English and expand your vocabularies by breaking words apart and learning the meanings of various Latin roots. Besides making you a better reader, writer, and thinker, all these areas of study will help prepare you for standardized tests, such as the ACT and college-entrance exams.

Prerequisite: English 9

Grade 10-12

Credit: 0.5

Theater*

Have you ever wondered how a play goes from the playwright's mind all the way into a multi-million dollar Broadway production? In this course, you'll learn the whole process! This course provides a thorough introduction to the theater by providing an overview of major topics in theater studies, with a blend of theoretical and practical lessons. In the first half of this course you will learn about the definitions of theater, theater history, and contemporary theatrical genres! The second half of the course will guide you through all of the elements of putting on a professional theatrical production. You will learn about the entire production process, from playwriting through opening night, including elements of technical theater, the rehearsal process, and audience response. Whether you're an aspiring actor, technician, director, or producer, or even just an avid theater-goer, this course is for you.

Prerequisite: None

Grade 9-12

Credit: 0.5

Theater, Cinema & Film Production*

Lights! Camera! Action! Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. In Theater, Cinema, and Film Production, you'll learn the basics of lighting, sound, wardrobe, and camerawork while examining the magic that happens behind all the drama. Delve into the glamorous history of film and theater, and examine the tremendous influence these industries have had on society and culture over the years. During this unit, you'll discuss and analyze three classic American films—Casablanca, Singin' in the Rain, and The Wizard of Oz—to help you learn how to critique and appreciate some of the most famous dramas of all time.

Prerequisite: None

Grade 9-12

Credit: 0.5

Veterinary Science*

Lions and tigers and bears (oh my!) Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you.

Prerequisite: None

Grade 9-12

Credit: 0.5

Web Design*

This one-semester course introduces students to the mechanics and elements of web design and HTML, and the concepts of planning and organizing websites. Students engage in a variety of project-based assessments to evaluate their understanding and progress. After completing the course, students are able to understand the planning and organization of a website, the elements of design and HTML. Students also learn how to use a WYSIWIG editor and other online tools to create a website.

Prerequisite: None

Grade 9-12

Credit: 0.5

Work Study*

Students will learn through hands-on job experience as well as lessons online. Students will be required to hold a paid job for the duration of the semester earning work-study credit. A supervisor from the

student's place of employment must be willing to communicate with the Work Study Coordinator on a regular basis and provide feedback on student performance. Students will also complete weekly lessons and self-evaluation assignments to learn more about finding, getting, and keeping a job, entrepreneurship, and other pertinent topics.

Prerequisite: None

Grade 9-12

Credit: 0.5

World of STEAM*

Each aspect of the arts relies on science and technology. In The World of STEAM, students will learn why the eye sees color, how a dancer uses gravity and what makes a sound wave travel. The arts, science and technology are intertwined, now more than ever. Understanding the science behind the art will elevate students to a new level of creativity.

- **Anatomy:** Discover the relationship between art and the human anatomy.
- **Light:** Explore reflection and absorption and break down the science to better apply it to your artistic works.
- **Geometry:** Understand the basics of drawing by using geometric shapes to create a balanced composition.
- **Water:** Take a closer look at the science of water and its importance in the arts.
- **Technology:** Learn about the technology behind microphones, lighting and other equipment used in performances.
- **Music and math:** Breakdown the math behind music to better understand music notation and organization.
- **Sound:** Learn about the science behind sound waves and how they travel.
- **Biology:** Take a step by step approach to breaking down the biology of dancing.
- **Engineering:** Analyze how math and science is used in architecture and building design.

Prerequisite: None

Grade 9-12

Credit: 0.5

World Religions*

From Taoism, to Islam, to Christianity, religion inevitably affects us all in some way. On one level, religion can help us commune with and honor our spiritual natures, but it can also divide people and create great strife in the world. World Religions: Exploring Diversity will explore the various characteristics of faith and introduce the fundamentals of the major religions, including Judaism, Islam, Christianity, Buddhism, Confucianism, Hinduism, Shintoism, and Taoism. You'll trace how these powerful faiths have influenced cultures over thousands of years and helped to shape the face of humanity. After this course, you'll have a clearer understanding of how religion continues to affect the larger world.

Prerequisite: None

Grade 9-12

Credit: 0.5

HIGH SCHOOL ENGLISH

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

American Literature [1,2]

American Literature is a one-credit course divided into a Semester I and Semester II segments. In this course students will be reading and interacting with various works from the American literary canon in order to develop an understanding of how literature can reflect the characteristics of a nation. The course takes a chronological approach to the study of American literature. As students read, they will be asked to reflect on the literary pieces in a variety of ways, think critically about the themes brought to light by the works read, and consider how these themes impact the world students live in today. In essence, the goal of this course is to help bridge the gap of relevance between American literature from all periods and the life students live today. The first semester of this course will cover the periods from approximately the 1500's to The American Revolution to Present Day.

Prerequisite: English 9

Grade 10-12

Credit: 0.5 per semester

British and World Literature [1,2]

British and World Literature is a streamlined survey of British literature that illustrates the origins of English-language literature and reflects its reach beyond the British Isles. The course is standards-based. Each activity correlates to state standards in six core areas: reading, writing, language (appreciation and aesthetics), listening and speaking, viewing and representing (including media literacy), and research. The course gives students meaningful practice in fundamental literacy skills while introducing them to classics of British and world literature. Throughout the course, students are encouraged to think and respond independently, critically, and creatively to the subject matter, whether it's a work of literature, a piece of nonfiction writing, or a media work. The course emboldens students to approach these works — both on their own terms and within a larger context — while providing them with the tools and encouragement they need in order to do so. Summaries and annotations support fluency and comprehension of all reading material. Robust scaffolding in the form of process guides and graphic organizers helps reluctant writers to internalize strategies and develop composition skills. Select activities target text-handling skills and promote improved performance on commonly assessed literary analysis and response standards. Study sheets support engagement with direct instruction and develop note-taking and study skills. The content is based on the National Council of Teachers of English (NCTE) standards and is aligned to state standards.

Prerequisite: English 10

Grade 12

Credit: 0.5 per semester

Composition I *

This course provides students the opportunity to practice and hone writing skills. Students will participate in a variety of writing assignments including show vs. tell, description, narration, definition/negation, classification, metaphor, and problem/solution. In addition to writing essays, students will strengthen their knowledge of mechanics, usage, and grammar through mini lessons and writing practice.

Prerequisite: English 9

Grade 10-12

Credit: 0.5

Creative Writing*

The purpose of this course is to enable students to develop and use fundamental writing and language skills for creative expression in a variety of literary forms. Emphasis will be on development of a personal writing style. Students will analyze literary models and engage in peer review techniques.

Prerequisite: None

Grade 9-12

Credit: 0.5

English 9 [1, 2]

The English 9 course is an overview of exemplar selections of literature in fiction and nonfiction genres. Students read short stories, poems, a full-length novel, and a full-length Shakespeare play, analyzing the use of elements of literature in developing character, plot, and theme. For example, in selected stories, students compare the effect of setting on tone and character development. Likewise, in the poetry unit, students analyze how artists and writers draw from and interpret source material. Each unit includes informational texts inviting students to consider the historical, social, and literary context of the main texts they study. For example, in the first semester, a Nikolai Gogol story that is offered as an exemplar of magical realism is accompanied by instruction on that genre. Together, the lesson content and reading prompt students to demonstrate their understanding of magical realism by analyzing its qualities in a literary text. Throughout the course, students respond to others' claims and support their own claims in essays, discussions, and presentations, consistently using thorough textual evidence. The range of texts includes canonical authors such as William Shakespeare, Franz Kafka, and Elie Wiesel, as well as writers from diverse backgrounds, such as Alice Walker, Li-Young Lee, and Robert Lake-Thom (Medicine Grizzlybear).

Prerequisite: None

Grade 9

Credit: 0.5

English Foundations I [1, 2]

English Foundations I supports adolescent literacy development at the critical stage between decoding and making meaning from text. Through intensive reading and writing skills instruction, deep practice sets, consistent formative feedback, graduated reading levels, and helpful strategy tips, the course leads students to improved comprehension and text handling.

Semester 1 provides instruction in basic reading skills and vocabulary building. The student learns what a successful reader does to attack words and sentences and make meaning from them. Semester 2 provides instruction in basic writing skills, introduces academic tools, and demonstrates effective study skills. The student learns step-by-step processes for building effective paragraphs and learns how to use academic tools such as reference books and outlines. To provide additional support, the course uses text features and visual clues to draw students' attention to important information. The use of text features is also designed to help students internalize strategies for comprehending informational text.

Characters appear throughout the instruction to offer tips and fix-up strategies in an authentic, first-person, think-aloud format. Their inclusion makes transparent the reading processes that go on inside the mind of a successful reader. This extra metacognitive support serves to bolster student confidence and provide a model of process and perseverance.

Numerous practice opportunities are provided in the form of assessments that move from no stakes to low stakes to high stakes throughout a unit. This practice is centered on authentic and age-appropriate passages that are written in a topical framework and use controlled syntax and vocabulary. The difficulty of these passages gradually increases from a 3rd- to 5th grade reading level over the duration of the course. Additional support is offered through significant formative feedback in practice and assessment.

This course guides students through the reading, writing, and basic academic skills needed to prepare for success in academic coursework. At the end of the course, the student should be poised for continued success in the academic world. The content is based on extensive national and state

standards research and consultation with reading specialists and classroom teachers. It aligns to state standards for reading and writing and to NCTE/IRA reading and writing standards.

Prerequisite: None

Grade 9-12

Credit: 0.5

English Foundations II [1, 2]

English Foundations II offers a year of skill building and strategy development in reading and writing. Semester one is a reading program designed to help struggling readers develop mastery in the areas of reading comprehension, vocabulary building, study skills, and media literacy. Semester two is a writing program which builds confidence in composition fundamentals by focusing on the areas of composing, grammar, style, and media literacy. Both semesters are structured around ten mini-units which offer interactive instruction and guided practice in each of the four learning strands. Students read for a variety of purposes and write for a variety of audiences. The workshops stress high interest, engaging use of technology, relevant topics, and robustly scaffolded practice. Students learn to use different types of graphic organizers as they develop and internalize reading and writing process strategies. They build confidence as they develop skills and experience success on numerous low stakes assessments that encourage growth and reinforce learning.

The reading program content is based on the National Council of Teachers of English (NCTE), International Reading Association (IRA), National Reading Program (NRP), and McREL, standards and aligned to state standards. The writing program is based on the National Council of Teachers of English (NCTE) standards and aligned to state standards.

Prerequisite: None

Grade 9-12

Credit: 0.5

Language Arts 9 [A, B]

English for grade 9 is an integrated curriculum. Each unit contains thematically related lessons in five domains: reading and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of and details and reasoning to support ideas. Speaking and listening lessons in Semester A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

This course has required materials. Please contact your student services coordinator.

Also available for honors. Please request through your student services coordinator.

Prerequisite: None

Grade 9

Credit: 0.5 per semester

Language Arts 10 [A, B]

English for grade 10 is an integrated curriculum, with each unit consisting of thematically related lessons in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. The skills that students practice for this course are similar to the skills in English 9 but require more independence and depth of thought. An introductory lesson at the start of each unit helps students identify any areas of weakness and review those topics before starting the more challenging grade 10 lessons. Writing assignments required in Semester A of this course include fiction, expository, and persuasive, and analytical modes, emphasizing

the use of details, evidence, and reasoning to support ideas. Speaking and listening lessons in Semester A cover collaborative discussion skills, the peer review process, and how to plan and deliver informative speeches and presentations. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

This course has required materials. Please contact your student services coordinator.

Also available for honors. Please request through your student services coordinator.

Prerequisite: Language Arts 9 Grade 10 Credit: 0.5 per semester

Language Arts 11 [A, B]

English for grade 11 is an American Literature course, with units organized chronologically according to periods in literary history. As students read foundational works of literature and other historical documents written between 1600 and 1900, they'll review and extend skills in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Each module or unit begins with a lesson that provides historical context for the era and introduces themes that emerged in the literature of that era. Each lesson provides students with an opportunity to review basic analysis skills before applying those skills to works of literature or key historical documents. Lessons focused on more difficult historical documents include activities that help students comprehend the complex ideas in these works.

This course has required materials. Please contact your student services coordinator.

Also available for honors. Please request through your student services coordinator.

Prerequisite: Language Arts 9 & Grade 11 Credit: 0.5 per semester
10

Language Arts 12 [A, B]

English 12A focuses on learning to write with confidence and mastery. Emphasis is placed on building language flexibility, improving sentence structure, and mastering the writing process. Students create, revise, and edit six writing projects that are designed to help them take their writing to the next level. As an Honors course, emphasis is placed on project-based instruction and increased reading and writing opportunities. In this thought-provoking writing course, students prepare themselves for the demands of college and/or the job market by developing their writing skills. Through text readings, videos, interactive PowerPoint presentations, practice activities, workbook questions, interactive skills challenges, discussions, writing projects, and other activities students demonstrate their mastery of the writing process. Students will integrate the 6-Traits of Writing (i.e., ideas and content, organization, voice, word choice, sentence fluency, and conventions) to all of their writing. In the English 12A course, emphasis will be placed on additional reading and writing project-based instruction. Students will create projects including a short story, expository essay, functional document, persuasive essay, literary analysis, and research paper. Through the engaging activities in English 12A Honors, students become more mature and accomplished writers.

This course has required materials. Please contact your student services coordinator.

Also available for honors. Please request through your student services coordinator.

Prerequisite: Language Arts 9, Grade 12 Credit: 0.5 per semester
10, & 11

Media and Communication*

From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes

every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

Prerequisite: None

Grade 9-12

Credit: 0.5

Mythology and Folklore*

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still to shape society today.

Prerequisite: None

Grade 9-12

Credit: 0.5

Research*

The purpose of this course is to enable students to develop fundamental knowledge of the steps in the research process. From choosing appropriate and reliable sources, to writing and editing a research paper, students will learn proper techniques and helpful resources to complete a research paper on a topic of their choosing. Considerable course time will focus on how to give proper credit to sources, as well as how to avoid plagiarism. Through this course, students will learn valuable skills that can be applied any time they are required to complete research.

Prerequisite: None

Grade 9-12

Credit: 0.5

Style and Rhetoric *

This course is designed to improve reading and writing. Students will go beyond identifying content (what authors say in their writing) to how they express their thoughts and why they express them the way they do. Students will apply techniques to discover in your critical reading to your own writing as you produce a children's story and write a poem based on a piece of art.

Students will focus on rhetoric (or the art of persuasion), as it exists in advertising and nonfiction. This portion of the course will include the study of persuasive techniques in advertising, illogical arguments and faulty reasoning, and webpage evaluations. The work will culminate with projects that require the application of knowledge of rhetoric to create a parody ad and a mock web page and writing a persuasive essay. In addition to critical reading and related writing, you will master the rules of Standard English and expand your vocabularies by breaking words apart and learning the meanings of various Latin roots. Besides making you a better reader, writer, and thinker, all these areas of study will help prepare you for standardized tests, such as the ACT and college-entrance exams.

Prerequisite: English 9

Grade 10-12

Credit: 0.5

HIGH SCHOOL HEALTH

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

Exercise Science*

This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly and how to motivate themselves and others. Basic anatomy, biomechanics, and physiology will serve as a foundation for students to build effective exercise programs. The study of nutrition and human behavior is also an integral part of the course to enhance the student comprehension of this multifaceted subject.

Prerequisite: PE I

Grade 10-12

Credit: 0.5

Health [A, B]

In this class students acquire skills, fitness, attitude, and knowledge to lead a healthy life. Health A focuses on the impact of personal decisions and healthy well-being. Topics include: peer pressure, self-esteem, nutrition, drugs, and alcohol. To lead a healthy life, a person must have an understanding of the impact of their choices, how to reject peer pressures, and the effects of nutrition. Teens face a difficult transition into young adulthood and this course helps them have an understanding of these changes. This course offers information, suggestions, and examples to help guide a young teen into adulthood with the necessary information. Students will complete writing projects that allow them to express their feelings and thoughts regarding pressures, nutrition, and exercise.

Please note, Health B is more aligned with health courses offered within school district buildings.

Prerequisite: None

Grade 10

Credit: 0.5 per semester

Health Opportunities through Physical Education [1], [2]

Health Opportunities through Physical Education (HOPE) combines instruction in health and physical education in a full-year, integrated course. It focuses on developing skills, habits and attitudes to maintain a healthy lifestyle and applying lessons learned to physical fitness. Through active participation and real-world simulations, the course aims to demonstrate firsthand the value of conscientious lifestyle management. HOPE lays a foundation for making healthy decisions by building seven skills: accessing valid health information; analyzing internal and external influences; self-management; interpersonal communication; decision-making; goal setting; and advocacy. Students apply these skills to a variety of topics throughout the course, including mental and social health; physical activity; nutrition; substance prevention; disease and disorders; injury prevention and safety; and personal health. HOPE requires routine participation in adult-supervised physical activities. Successful completion of this course will require parent/legal guardian sign-off on student-selected physical activities on weekly participation reports to verify the student is meeting his or her requirements and responsibilities. This course is based on and aligns to the National Science Teachers Association (NSTA) standards and the Florida Next Generation Sunshine State Standards for health and physical education.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Health and Personal Wellness*

This course covers the required areas of health with the emphasis on applying knowledge and values that affect health related behaviors. Topics covered include personal health, nutrition, mental and emotional health, prevention and control of disease, substance use and abuse, community and

environmental health, accident prevention and safety, consumer health, and family life education. In this course students have an opportunity to develop or enhance health related skills important in making decisions for healthy and effective living. Through the study of real life issues, the goal is for students to form healthy attitudes and behaviors that promote personal development, health and well-being.

Prerequisite: None

Grade 9-12

Credit: 0.5

Life Skills*

This course allows students to explore their personality type and interests, as well as refine important skills that will benefit them throughout their lives. This includes personal nutrition and fitness skills, time and stress management, communication and healthy relationships, goal setting, study skills, leadership and service, environmental and consumer health, and personal finances. In addition, students explore possible colleges and careers that match their needs, interests, and talents.

Prerequisite: None

Grade 9-12

Credit: 0.5

Nutrition*

This course takes students through a comprehensive study of nutritional principles and guidelines. Students learn about worldwide views of nutrition, essential nutrient requirements, physiological processes, food labeling, weight management, healthy food choices, fitness, diet-related diseases and disorders, food handling, healthy cooking, nutrition for different populations, and more. Students gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

Prerequisite: PE I

Grade 9-12

Credit: 0.5

Physical Education I *

This course focuses on the fundamental components and principles of fitness. The course examines safety guidelines, proper technique, and exercise principles. Students will assess their current level of fitness in relation to the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. Students will also learn strategies to help them begin, design, and maintain an exercise program to keep them fit for life.

Weights, strength training equipment, and a heart rate monitor are helpful, but not required for this course.

Prerequisite: None

Grade 9-12

Credit: 0.5

Physical Education II *

This course will provide the student an opportunity to create an individualized and personally challenging fitness program that will advance the knowledge, confidence, skills and motivation needed to engage in a lifelong active lifestyle. The student will acquire a working knowledge of physical fitness relative to health and skill related fitness components, set personal goals for each of the fitness components based on a personal assessment of their level of physical fitness. Students will identify health problems that are associated with inadequate fitness levels; identify and evaluate sports, fitness, and leisure activities in relation to personal fitness program; interpret and predict potential safety risks of various sport and fitness activities, and analyze different advertising techniques used to influence the purchase of fitness products and services.

For skill testing, the student will need masking tape, a yard stick, 3 sticks (drum stick-sized), stop watch, access to exercise videos, and will need to call or visit a health club or YMCA.

Prerequisite: PE I

Grade 9-12

Credit: 0.5

Running *

This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving running, as well as elements of resistance training and flexibility.

Prerequisite: PE I

Grade 9-12

Credit: 0.5

Strength Training*

This course focuses on the fitness components of muscular strength and endurance. Students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training. This course also discusses good nutrition and effective cross-training. Students take a pre- and post fitness assessment. Throughout this course students also participate in a weekly fitness program involving strength training, as well as elements of cardio and flexibility.

Prerequisite: PE I

Grade 9-12

Credit: 0.5

Walking Fitness*

This course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post fitness assessment. Throughout this course students also participate in a weekly fitness program involving walking, as well as elements of resistance training and flexibility.

Prerequisite: PE I

Grade 9-12

Credit: 0.5

HIGH SCHOOL WORLD LANGUAGES

Available AP language courses are listed under AP courses.

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

Chinese I [A, B]

Students begin 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. 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 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).

Also available for honors. Please request through your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Chinese II [A, B]

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 are able 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 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 countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Also available for honors. Please request through your student services coordinator.

Prerequisite: Chinese I

Grade 9-12

Credit: 0.5 per semester

Chinese III [A, B]

Students continue their study of Chinese by seeking to master their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able 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 continue to learn several characters each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various Chinese-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in Chinese. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
Prerequisite: Chinese II Grade 9-12 Credit: 0.5 per semester

French I [A, B]

Students begin their introduction to French 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. 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, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

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

Also available for honors. Please request through your student services coordinator.

Prerequisite: None Grade 9-12 Credit: 0.5 per semester

French II [A, B]

Students continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent

assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Also available for honors. Please request through your student services coordinator.

Prerequisite: French I

Grade 9-12

Credit: 0.5 per semester

French III [A, B]

Students continue their study of French by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: French II

Grade 9-12

Credit: 0.5 per semester

French IV [1, 2]

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

Prerequisite: French III

Grade 9-12

Credit: 0.5 per semester

German I [A, B]

Students begin their introduction to German 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. 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 German-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

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

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

German II [A, B]

Students take their mastery to the next level in the four key areas of foreign language study: listening, speaking, reading, and writing. Each unit continues to present 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 more 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 take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: German I

Grade 9-12

Credit: 0.5 per semester

German III [1, 2]

Students continue their study of German by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various German-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in German. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). This course requires a microphone and audio recording software.

Prerequisite: German II

Grade 9-12

Credit: 0.5 per semester

German IV [1, 2]

This fourth year course builds upon the first three levels of German. Students will continue to develop their skills in reading, writing, listening and speaking, building vocabulary and grammar skills that move beyond practical scenarios to focus on cultural competency. Exercises based on authentic texts, as

well as audio and visual materials from Germany, Austria, and Switzerland, will teach students to think critically and express themselves on topics relevant to German culture, past and present. Topics include: the history of political resistance, current events, environmentalism, multiculturalism, multilingualism, important personalities in the arts, literature and sciences, and profiles of three major cities. This course is aligned with the national ACTFL Foreign Language standards and focuses on the five aspects of foreign language instruction: communication, culture, connections, comparisons, and community. These are the "Five C's of the Foreign Language Education" as outlined in Standards for Foreign Language Learning: Preparing for the 21st Century.

This course requires a microphone and audio recording software.

Prerequisite: German III

Grade 9-12

Credit: 0.5 per semester

Japanese I [1, 2]

This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Greetings, The date, Time, Colors and Places), students learn to express themselves using an ever increasing vocabulary, present-form verbs, participles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind.

This course requires a microphone and audio recording software.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Japanese II [1, 2]

This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Greetings, The date, Time, Colors and Places), students learn to express themselves using an ever increasing vocabulary, present-form verbs, participles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind.

This course requires a microphone and audio recording software.

Prerequisite: Japanese I

Grade 9-12

Credit: 0.5 per semester

Latin I [A, B]

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

language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Latin II [A, B]

Students continue with their study of Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, prepare students for a deeper study of Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, understand and use common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: Latin I

Grade 9-12

Credit: 0.5 per semester

Spanish I [A, B]

Students begin their introduction to Spanish 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. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). *Also available for honors. Please request through your student services coordinator.*

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Spanish II [A, B]

Students take their mastery to the next level in the four key areas of foreign language study: listening, speaking, reading, and writing. Each unit continues to present 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 more actively engaged in their own language

learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Also available for honors. Please request through your student services coordinator.

Prerequisite: Spanish I

Grade 9-12

Credit: 0.5 per semester

Spanish III [1, 2]

Students continue their study of Spanish by further expanding their knowledge of key vocabulary topics and grammar concepts. Students not only begin to comprehend listening and reading passages more fully, but they also are able to express themselves more meaningfully in both speaking and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, understand common vocabulary terms and phrases, use a wide range of grammar patterns in their speaking and writing, participate in conversations and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored. By semester 2, the course is conducted almost entirely in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: Spanish II

Grade 9-12

Credit: 0.5 per semester

Spanish IV [1, 2]

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

This course requires a microphone and audio recording software.

Prerequisite: Spanish III

Grade 9-12

Credit: 0.5 per semester

HIGH SCHOOL MATHEMATICS

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

Algebra I [1, 2]

Algebra I builds students' command of linear, quadratic, and exponential relationships. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include problem-solving with basic equations and formulas; an introduction to functions and problem solving; linear equations and systems of linear equations; exponents and exponential functions; sequences and functions; descriptive statistics; polynomials and factoring; quadratic equations and functions; and function transformations and inverses. This course supports students as they develop computational fluency, deepen conceptual understanding, and apply Common Core mathematical practice skills. Students discover new concepts through guided instruction and confirm their understanding in an interactive, feedback-rich environment. A variety of activities allow for students to think mathematically in a variety of scenarios and tasks. In Discussions, students exchange and explain their mathematical ideas. Modeling activities ask them to analyze real-world scenarios and mathematical concepts. Journaling activities have students reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. And in Performance Tasks, students synthesize their knowledge in novel, real-world scenarios, make sense of multifaceted problems, and persevere in solving them. Throughout the course, students are evaluated by a variety of assessments designed to prepare them for the content, form, and depth of the Common Core assessments. This course is aligned with the Common Core State Standards for Mathematics.

Prerequisite: None

Grade 9

Credit: 0.5 per semester

Algebra II [1, 2]

Algebra II introduces students to advanced functions, with a focus on developing a strong conceptual grasp of the expressions that define them. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include quadratic equations; polynomial functions; rational expressions and equations; radical expressions and equations; exponential and logarithmic functions; trigonometric identities and functions; modeling with functions; probability and inferential statistics; probability distributions; and sample distributions and confidence intervals. This course supports all students as they develop computational fluency, deepen conceptual understanding, and apply Common Core's eight mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, and then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. Journaling activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them. Throughout the course students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of the Common Core assessments. This course is aligned with the Common Core State Standards for Mathematics.

Prerequisite: Algebra I &
Geometry

Grade 11

Credit: 0.5 per semester

Calculus [1], [2]

The Calculus course is a comprehensive look at the study of differential and integral calculus concepts including limits, derivative and integral computation, linearization, Riemann sums, the Fundamental Theorem of Calculus, and differential equations. Applications include graph analysis, linear motion, average value, area, volume, and growth and decay models.

The student will need a TI 84+ graphing calculator.

Prerequisite: Pre-Calculus

Grade 11-12 (Or permission)

Credit: 0.5 per semester

(See special instructions for embedded calculator)

Consumer Math [1, 2]

This comprehensive review and study of arithmetic skills apply to both personal and vocational business opportunities. Topics include whole numbers, fractions, percentages, basic statistics, and graphs. Practical applications in finance, taxes, budgeting, banking and home ownership are provided.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Geometry [1, 2]

Geometry builds upon students' command of geometric relationships and formulating mathematical arguments. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; and applications of probability.

This course supports all students as they develop computational fluency, deepen conceptual understanding, and apply Common Core's eight mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, and then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. Journaling activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them. Throughout the course students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of the Common Core assessments. This course is aligned with the Common Core State Standards for Mathematics.

Prerequisite: Algebra I

Grade 10

Credit: 0.5 per semester

Integrated Math 1 [A, B]

Integrated Math 1A continues the exploration of mathematical concepts by extending further into algebra, geometry, and descriptive statistics. The course emphasizes the relationships between quantities and the function rules that describe them. You will learn to represent data in various ways, interpret linear models, and use deductive reasoning to confirm or prove assertions about geometric figures.

Prerequisite: None

Grade 9

Credit: 0.5 per semester

Integrated Math 2 [A, B]

Students in Integrated Math 2A will focus on pulling together and applying the accumulation of learning that they have acquired from their previous math courses. They will apply methods from probability and

statistics; expand their repertoire of functions to include polynomial, rational, and radical functions; and expand their study of right triangle trigonometry. In addition, they will bring together all of their experience with functions and geometry to create models and solve contextual problems.

Prerequisite: None

Grade 10

Credit: 0.5 per semester

Integrated Math 3 [A, B]

Students in Integrated Math III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics.

Students will expand their repertoire of functions to include polynomial, rational, and radical functions. They will expand their study of right triangle trigonometry. Students will use all of their experience with functions and geometry to create models and solve contextual problems.

Prerequisite: None

Grade 11

Credit: 0.5 per semester

Math Foundations I [1], [2]

Math Foundations I offers a structured remediation solution based on the NCTM Curricular Focal Points and is designed to expedite student progress in acquiring 3rd- to 5th-grade skills. The course is appropriate for use as remediation for students in grades 6 to 12. When used in combination, Math Foundations I and Math Foundations II (covering grades 6 to 8) effectively remediate computational skills and conceptual understanding needed to undertake high school-level math courses with confidence. Math Foundations I empowers students to progress at their optimum pace through over 80 semester hours of interactive instruction and assessment spanning 3rd- to 5th-grade math skills. Carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. Formative assessments help students to understand areas of weakness and improve performance, while summative assessments chart progress and skill development. Early in the course, students develop general strategies for honing their problem-solving skills. Subsequent units provide a problem-solving strand that asks students to practice applying specific math skills to a variety of real-world contexts. The content is based on the National Council of Teachers of Math (NCTM) April 2006 publication, Curricular Focal Points for Prekindergarten through Grade 8 Mathematics: A Quest for Coherence, and is aligned with state standards.

Prerequisite: None

Grade 6-12

Credit: 0.5 per semester

Math Foundations II [1], [2]

Based on the NCTM Curricular Focal Points, Math Foundations II is designed to expedite student progress in acquiring 6th- to 8th-grade skills. The course is appropriate for use as remediation at the high school level or as middle school curriculum. The program simultaneously builds the computational skills and conceptual understanding needed to undertake high school-level math courses with confidence. The course's carefully paced, guided instruction is accompanied by interactive practice that is engaging and accessible. Formative assessments help students to understand areas of weakness and improve performance, while summative assessments chart progress and skill development. Early in the course, students develop general strategies for honing their problem-solving skills. Subsequent units provide a problem-solving strand that asks students to practice applying specific math skills to a variety of real-world contexts. The content is based on the National Council of Teachers of Math (NCTM) April 2006 publication, Curricular Focal Points for Prekindergarten through Grade 8 Mathematics: A Quest for Coherence, and is aligned with state standards.

Prerequisite: None

Grade 6-12

Credit: 0.5 per semester

Pre- Algebra [A, B]

Pre-Algebra A will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will

stretch their thinking by learning to solve real world problems. Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.

Prerequisite: Math 7

Grade 8

Credit: 0.5 per semester

Pre-Calculus [A,B]

In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations.

Pre-Calculus B (Sem 2) covers the major units of Introductory Trigonometry and Graphs, Trigonometric Equations and Identities, Analytical Trigonometry, Sequences and Series, Conic Sections and an Introduction to Calculus. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Recommended materials: a TI-84 +, TI-83, or TI-83+ calculator.

Prerequisite: Algebra I, Algebra II, Geometry

Grade 11-12

Credit: 0.5 per semester

Probability and Statistics*

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

Prerequisite: 3 Years of High School Math

Grade: 12

Credit: 0.5

Trigonometry *

Trigonometry can be thought of as a specialized study of Geometry. Focusing on the study of triangles, angles, and trigonometric functions, it provides students with experience in advanced mathematical concepts. From a practical point of view, students see how measurements and formulas shed light on everyday life. They find that trigonometry can save a life on a raft, predict astronomical events, and locate a forest fire. In this course, the student discovers the power of measuring triangles in Trigonometry. The student is led to think about how triangles appear everywhere in a triangular garden, the joists for a pointed roof, a corner desk, or triangular tiles. Some triangles are imaginary, such as the one formed by lines connecting the earth, the sun, and the moon. In Advanced Math A students are given tools to solve triangles that can shed light on the workings of the universe or save a life here on Earth. The skills the student gains in this course are useful throughout all of mathematics, as well as other fields such as astronomy, geology, surveying, engineering, and architecture. The course consists of six units of five lessons each that cover the basic concepts and applications of Trigonometry. Each lesson

has several activities that all contribute to an exploration of new mathematical concepts. The activities also help the student think creatively and critically about each topic. Teacher feedback is provided and available throughout the course.

Prerequisite: Geometry

Grade 11

Credit: 0.5

HIGH SCHOOL SCIENCE

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

Agriscience I*

How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Introduction to Agriscience. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agri scientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. In Introduction to Agriscience, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.

Prerequisite: None

Grade 9-12

Credit: 0.5

Agriscience II*

Have you ever strolled past a bright green cauliflower at the market and paused to ponder its unusual color? Ever wonder why "broccolini" is suddenly a thing? Well, if you find yourself curiously questioning these, and other, peculiar vegetables and wondering about the role of agriculture in the modern world, Agriscience II is for you. Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. Food is our most essential resource; see how plant science will change the face of eating in the 21st century and give us the knowledge to continually improve our green thumbs.

Prerequisite: None

Grade 9-12

Credit: 0.5

Anatomy & Physiology [1, 2]

Explore the human body and learn how you can help your body cope with many different situations. You will study the structure, location, and function of various systems within the human body and how these systems interact.

Prerequisite: Biology
recommended

Grade 10-12

Credit: 0.5

Astronomy [1, 2]

This course is a survey of descriptive astronomy; this course provides an understanding of the solar system, the night sky, and some of the practical aspects of astronomy. Topics covered include the earth-moon-sun relationships, the structure and dynamics of the solar system, stars and their properties, and the cosmology of the universe. Also, included is the historical development of astronomy and the role human behaviors and beliefs have played in its development.

This course requires that the student take a picture and submit it as part of an assignment.

Prerequisite: None

Grade: 10-12

Credit: 0.5 per semester

Biology [A, B]

Biology A introduces students to the scientific method and the major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular

basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms. Life on this planet, unlike anywhere else in the observable universe, is complex and highly organized. Whether examining life on the molecular or the planetary level, it exhibits a highly organized structure that inspires awe by its genius and complexity. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them. Biology A is presented in a multimedia format using interactive modules, labs, narrated animation, text, and videos to present the study of life on this planet. Students work through and complete several self-check activities and quizzes for practice, and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course. This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 9

Credit: 0.5 per semester

Biotechnology*

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science's most pressing concerns? The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence through the enhancement of food and medicine. In *Biotechnology: Unlocking Nature's Secrets*, you'll learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved systems. Learn about the history of biotechnology and some of the challenges it faces today, such as resistant bacteria and genetically modified organisms in food. You will research new biotechnologies and understand firsthand how they are forever changing the world we live.

Prerequisite: None

Grade: 9-12

Credit: 0.5

Environmental Science*

This course surveys key topic areas including the application of 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 accurate application of scientific processes, including proper data collection and responsible conclusions.

Prerequisite: None

Grade 9-12

Credit: 0.5

Earth Science [A, B]

The first three modules of Semester 1 cover Scientific Inquiry, the Structure and Composition of the Universe, and the Features of the Solar System. Students learn the importance of scientific inquiry and how to communicate the results of scientific investigations. They then have material on the formation of the universe, including the Big Bang Theory, the motions of celestial objects, and stellar evolution. The third module covers material related to the Solar System, including features of the Sun and the planets and the movements of Earth. The second three modules of Semester 1 cover Weather, Climate, and Earth's Water Cycle. Students first learn in Module 4 about the atmosphere and clouds, as well as the factors that influence local and global climate. In Module 5 they continue by learning about weather and air masses, meteorology and storms. Module 6 then discusses the water cycle, including groundwater and ocean features, as well as water scarcity and pollution.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Pre-Algebra,
Physical Science 8

Grade 9-12

Credit: 0.5 per semester

Marine Science*

About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make exciting new discoveries about marine life every day. In this course, students will discover the vast network of life that exists beneath the ocean's surface and study the impact that humans have on the oceans.

Prerequisite: None

Grade 9-12

Credit: 0.5

Medicine*

This course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students review basic human anatomy and physiology, studying major health concerns affecting people in the U.S. and the world. This comprehensive, 10-unit course examines such topics as infectious diseases, cancer, traumatic injuries, and healthcare career opportunities.

Prerequisite: None

Grade 9-12

Credit: 0.5

Physical Science [1, 2]

Physical Science Literacy Advantage offers a tightly focused curriculum designed to address fundamental concepts such as the nature and structure of matter, the characteristics of energy, and the overriding principles of force. Course topics include motion and forces, including two-dimensional motion and gravity; momentum; waves; electricity; atoms; the periodic table of elements; molecular bonding; chemical reactivity; gases; and an introduction to nuclear energy. All text is written with controlled vocabulary and syntax. This accessible text supports students in comprehending academic content. Literacy development is promoted through explicit instruction in active-reading and vocabulary strategies. Students also develop comprehension strategies unique to academic reading and learning in the sciences. Lab activities support the synthesis of scientific knowledge and the scientific process, teach critical thinking, writing, and communication skills, and help students develop a deeper understanding of the nature of science. Study Sheets support engagement with direct instruction and develop note-taking and study skills through the use of concept maps, illustrations, and graphic organizers. The content is based on the National Science Teachers Association (NSTA) standards and is aligned with state standards.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Physics [1, 2]

Physics offers a curriculum that emphasizes students' understanding of fundamental physics concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology. The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, math for physics, energy, kinematics, force and motion, momentum, gravitation, chemistry for physics, thermodynamics, electricity, magnetism, waves, nuclear physics, quantum physics, and cosmology. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science. Throughout this course, students are given an opportunity to understand how physics concepts are applied in technology and engineering. Journal and Practice activities provide additional opportunities for students to apply learned concepts and practice their writing skills. This course is built to state standards and informed by the American Association for the Advancement of Science (AAAS) Project 2061 benchmarks and the National Science

HIGH SCHOOL SOCIAL STUDIES

In compliance with the 2015 WI Act 55 (Section 3266R, 118.33(1m)(a)1.), all graduating JEDI Virtual School students, beginning with the class of 2017, must complete a civics test comprised of 100 questions that are identical to the 100 questions that may be asked of an individual during the process of applying for U.S. citizenship by the United States Citizenship and Immigration Services and the pupil correctly answers at least 60 of those questions.

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

African American History*

Over the course of U.S. history, how have African Americans helped shaped American culture? This African American History course answers that question by tracing the accomplishments and obstacles of African Americans beginning with the slave trade on up to the modern Civil Rights movement. What was it like during slavery, or after emancipation, or during the years of discrimination under Jim Crow? Who were some of the main figures who have shaped African American history? In this course, you'll learn about the political, economic, social, religious, and cultural factors that have influenced African American life, come face to face with individuals who changed the course of history, and explore how the African American story still influences current events today.

Prerequisite: None

Grade 9-12

Credit: 0.5

American Government*

American Government provides the student with the basic knowledge of the history and philosophy of the United States government, and the principles, which guide our democracy. The student examines the United States Constitution to answer questions and determine the facts of government. The course focuses on the functions and duties of the three branches of government, which are the legislative, executive, and judicial. Special attention is given to political participation, the rights and responsibilities of citizenship and government systems of the world. American Government uses the view of political institutions to explore the history, organization, and functions of the U.S. government. It offers students learning opportunities that build one on another. A goal of the course is for the student to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting. Students are encouraged to use their knowledge of the organizations and management of governing to develop their own views on current political issues. They are taught how to apply what they have learned into civic action. The course looks closely at the political knowledge and values of the country and gives students a look into the problems faced by presidents, congressional representatives, and other political activists. It also covers the roles of political parties, interest groups, and the media in shaping the government. The Supreme Court is presented as the Voice of Reason in the balance of powers. Students are encouraged to perform at higher levels as they are presented with historical documents and additional readings, work with a set of facts arranged by theme, and become skillful in note-taking.

This course is also available for honors. Please request through your Student Services Coordinator.

Prerequisite: None

Grade 9

Credit: 0.5

American History [A, B]

This course covers the discovery, development, and growth of the United States. Major topics include; American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history are just the beginning: each student must understand how history affects him or her.

This course is also available for honors. Please request through your student services coordinator.

Prerequisite: None

Grade 11

Credit: 0.5 per semester

Anthropology*

This class is designed to look at both the social and physical areas of anthropology. Topics included will be the nature of culture, the organization of social relations, archeology, human evolution, and the relationships between values and behavior. Attention to the human use of culture in adapting to environments and to language, technology, kinship, and religion as cultural systems. Students will participate in case studies of Western and Non-Western peoples, historic and prehistoric cultures. This course requires access to a scanner.

Prerequisite: None

Grade 10-12

Credit: 0.5

Archaeology *

This course has all of the instructional design features of the Anthropology class and complements and supports this fascinating area of historical inquiry. Archaeology is the scientific study of past human culture and behavior, from the origins of humans to the present. Archaeology studies past human behavior through the examination of material remains of previous human societies. These remains include the fossils (preserved bones) of humans, food remains, the ruins of buildings, and human artifacts—items such as tools, pottery, and jewelry. From their studies, archaeologists attempt to reconstruct past ways of life. Archaeology is an important field of anthropology, which is the broad study of human culture and biology. Archaeologists concentrate their studies on past societies and changes in those societies over extremely long periods of time.

This course requires access to a scanner.

Prerequisite: None

Grade 10-12

Credit: 0.5

Civics*

In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the United States government. Students will examine the purposes and functions of federal, state and local government, the justice system, political systems the environment, and the economy. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and PowerPoint presentations to enhance and reinforce learning. Learners receive frequent feedback from

teacher and peers through discussions. By the end of the course students will have a deep understanding of their civic responsibilities as well as the difference one individual can make in society.

Prerequisite: None

Grade 9-12

Credit: 0.5

Contemporary World Issues [1, 2]

Students analyze governments, economies, peoples, and cultures from around the world in this course. Instruction emphasizes the structures and policies of the United States and how they compare to other systems in the international community. Students apply critical thinking and research skills to examine current events and contemporary issues, including human rights, the strengths and weaknesses of globalization, America's role in the international economy, the severe environmental threats facing many regions around the world today, how religion is often used to facilitate and justify violence, and America's "War on Terror" and its impact on the Middle East and Islamic culture.

Prerequisite: None

Grades 9-12

Credit: 0.5 per semester

Economics*

This course introduces the principles and the applications of economics in everyday life. Students develop an understanding of limited resources, and compare it with unlimited wants and needs. Students learn how individual and national economic decisions are made to allocate goods and services among competing users. Students apply economic principles to think and problem solve. The study of Economics uses the view of economic institutions and policies to explore the history, organization, and functions of the U.S. government in controlling our economy. It offers students learning opportunities that build one on another. A goal of the course is for the student to develop the critical skills of analysis, synthesis, and evaluation in a demanding and thoughtful academic setting. Students are encouraged to use their knowledge of the policies and institutions of economics to develop their own views on current economic and monetary issues. They are taught how to apply what they have learned into personal financial activities. The course looks closely at the economic knowledge and values of the country and gives students a look into the problems faced by presidents, and congressional representatives. It also covers the roles of political activists, political parties, interest groups, and the media in shaping the U. S. economy. The Supreme Court is presented as the voice of reason in the balance of powers. Students are encouraged to perform at higher levels as they are presented with historical documents and additional readings, work with a set of facts arranged by theme, become skillful in note-taking, and join in student discussions. Students develop and demonstrate their writing skills by preparing extended research-based papers.

This course is also available for honors. Please request through your student services coordinator.

Prerequisite: None

Grade 11

Credit: 0.5

History of the Holocaust*

"Never shall I forget that night, the first night in camp, which has turned my life into one long night, seven times cursed and seven times sealed." Elie Wiesel, a Holocaust survivor, wrote these words about his experiences in a Nazi concentration camp. History of the Holocaust will take you through the harrowing details of anti-Semitism, the power of the Nazi party, the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II. You'll explore the causes of the Holocaust, the experiences of Jews and other individuals during this time, and what has been done to combat genocide since WWII. "For the dead and the living, we must bear witness."

Prerequisite: None

Grade 9-12

Credit: 0.5

Modern US History [1, 2]

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

Prerequisite: None

Grade 9-12

Credit: 0.5

Psychology*

Psychology provides a solid overview of the field's major domains: methods, biopsychology, cognitive and developmental psychology, and variations in individual and group behavior. By focusing on significant scientific research and on the questions that are most important to psychologists, students see psychology as an evolving science. Each topic clusters around challenge questions, such as "What is happiness?" Students answer these questions before, during, and after they interact with direct instruction. This course is built to state standards and informed by the American Psychological Association's National Standards for High School Psychology Curricula. The teaching methods draw from the National Science Teachers Association (NSTA) teaching standards.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Sociology I*

Human beings are complex creatures; however, when they 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"? Sometimes it can feel as if there are more questions than answers. Sociology I: The Study of Human Relationships seeks to answer these questions and many more as it explores culture, group behavior, and societal institutions and how they affect human behavior. You'll learn how social beliefs form and how this shapes our lives. How does this happen? Join us and find out.

Prerequisite: None

Grade 9-12

Credit: 0.5

Sociology II*

Why do people disagree on so many big issues? Where do culture wars come from? Maybe you've wondered this as you've looked through your social media feed or read the latest online article about groups fighting over different social issues. Sociology II: Your Social Life takes a powerful look at how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Although the reality of the battles isn't always pretty, gaining a clearer picture of the different sides can help you better understand how our lives are shaped by entertainment, social institutions, and social change.

Prerequisite: None

Grade 9-12

Credit: 0.5

US Government and Politics*

U.S. Government and Politics offers a tightly focused and scaffolded curriculum that uses the perspective of political institutions to explore the history, organization, and functions of the U.S. government. Beginning with basic theories of government, moving to the Declaration of Independence, and continuing to the present day, the course explores the relationship between individual Americans and the governing bodies. It covers the political culture of the country and gains insight into the challenges faced by presidents, congressional representatives, and other political activists. It also covers the roles of political parties, interest groups, the media, and the Supreme Court. U.S. Government and Politics is designed to fall in the fourth year of social studies instruction. Students perfect their analytic writing through a scaffolded series of analytic assignments and written lesson tests. Students read

annotated primary documents and apply those documents to the course content. The content is based on standards from the National Council for History Education (1997), the National Center for History in the Schools (1996), and the National Council for Social Studies (1994) and is aligned to state standards. *Also available for honors. Please request through your student services coordinator.*

Prerequisite: None

Grade 9-12

Credit: 0.5

US History Since the Civil War [1, 2]

This course traces the nation's history from the end of the Civil War to the present. It describes the emergence of the United States as an industrial nation, highlighting social policy as well as its role in modern world affairs. Students evaluate the attempts to bind the nation together during Reconstruction while also exploring the growth of an industrial economy. Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other world players while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups. The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide learners step-by-step through problem-solving activities. The content is based on standards from the National Council for History Education (1997), the National Center for History in the Schools (1996), and the National Council for Social Studies (1994) and is aligned to state standards.

Also available for honors. Please request through your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5

World Civilizations

This course is an overview of the increasing interrelationships of the world's peoples from early and classical civilizations, the Age of Discovery, and early modern and contemporary societies through the 20th century.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

World Geography and Cultures [A, B]

The content of World Geography and Cultures A covers the physical landforms, climate and vegetation, and cultures of the United States, Canada, Latin America, Europe, and Russia through map reading, videos, text reading, interactive learning tools, exams, classroom discussion, and researched writing projects. The course is a study of the effects of physical and human geography in the development of cultures. It is designed to engage students through inquiry by questioning, investigation, and critical thinking about issues affecting the world and people's lives, now and in the future. Virtual fieldwork is an essential element of this. Students learn to think spatially and use maps, visual images, and new technologies, including geographical information systems (GIS) to obtain and analyze information. They are challenged to consider more than just facts about who lives where and the problems those people face as a culture. They are also asked to analyze the current culture to determine how it developed and then, based on their analysis, suggest a possible future for the populations living there. The goal of the course is for the student to become a global citizen by exploring their own place in the world, their values, and their responsibilities to other people, to the environment and to the sustainability of the planet.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

World History [A, B]

World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Semester A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures.

This course is also available for honors. Please request through your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

World History Since the Renaissance [1, 2]

World History since the Renaissance covers the development of civilizations around the world from the Renaissance to the present. The course covers major themes in world history, including the development and influence of human-geographic relationships, political and social structures, economic systems, major religions and belief systems, the effects of science and technology, the vital role of the arts, and the importance of trade and cultural exchange. Topics covered in this course include the Reformation and its legacy, the Scientific Revolution, European exploration, the Enlightenment, political revolutions, the rise of nation-states, the industrial era, the spread of imperialism, and the issues and conflicts of the 20th and 21st centuries. Primary source documents, which appear frequently, encourage students to make connections to evidence from the past. Writing skills are honed through a spiraled sequence of short analytic pieces. The content is based on standards from the National Council for History Education (1997), the National Center for History in the Schools (1996), and the National Council for Social Studies (1994) and is aligned to state standards.

Prerequisite: None

Grade 9-12

Credit: 0.5

World History to the Renaissance [1, 2]

World History to the Renaissance traces the development of civilizations around the world from prehistory to the Renaissance. The course covers major themes in world history, including the development and influence of human-geographic relationships, political and social structures, economic systems, major religions and belief systems, science and technology, and the arts. Topics covered in this course include the birth of civilizations; the classical civilizations of India, China, Greece, and Rome; the rise of new empires such as the Byzantine; and an examination of civilizations in Africa and North and South America. From there, students journey to the Middle Ages and into the Renaissance. Primary source documents, which appear frequently, encourage students to make connections to evidence from the past. Writing skills are honed through a spiraled sequence of short analytic pieces. The content is based on standards from the National Council for History Education (1997), the National Center for History in the Schools (1996), and the National Council for Social Studies (1994) and is aligned to state standards.

Prerequisite: None

Grade 9-12

Credit: 0.5

AP COURSES

JEDI is able to offer AP courses at a reduced cost to members. The following course list represents the courses that are available. All required textbooks will be ordered by JEDI and sent to the student or district. Schools will be billed for the singleton course textbooks.

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

AP Biology [1, 2]

Students build the conceptual framework necessary to understand science as a process. The course is divided into three sections with correlating laboratory exercises: molecules and cells; heredity and evolution; and organisms and populations. Students will also explore evolution, energy transfer, continuity and change, the relationship of structure to function, regulation, interdependence in nature, and the balance of science, technology, and nature. Ten wet labs are required.

LABS: Students will be issued lab kits and will perform their labs independently during the course.

The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP Exam and for further study in health sciences.

Prerequisite: Biology and Chemistry Grade For qualified AP students Credit: 0.5 per semester

AP Calculus AB [1, 2]

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.

A TI-89, TI-84 Plus, TI-83, or TI-83 Plus calculator is required for this course.

Prerequisite: Algebra II, Geometry, Grade For qualified AP students Credit: 0.5 per semester
Pre-Calculus with Trigonometry

AP Calculus BC [1, 2]

This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integrals, and infinite series. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also 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. Students prepare for the AP Exam and further studies in science, engineering, and mathematics.

A TI 84 + calculator is required for this course.

Prerequisite: Algebra II, Geometry, Grade For qualified AP students Credit: 0.5 per semester
Pre-Calculus with Trigonometry

AP Chemistry [1, 2]

This course builds students' understanding of the nature and reactivity of matter. After studying the structure of atoms, molecules, and ions, students move on to solve quantitative chemical problems and explore how molecular structure relates to chemical and physical properties. Students will examine the molecular composition of common substances and learn to predictably transform them through chemical reactions. Twelve wet labs are required.

LABS: Students will be issued lab kits and will perform their labs independently during the course.

The equivalent of an introductory college -level chemistry course, AP Chemistry prepares students for the AP Exam and for further study in science, health sciences, or engineering.

This course has required materials.

Prerequisite: Chemistry and Algebra II Grade For qualified AP students Credit: 0.5 per semester

AP Computer Science A [1, 2]

Develop the skills required to write programs or parts of programs to correctly solve specific problems. You will learn design techniques to make programs understandable, adaptable, and reusable. This course has suggested materials. Please contact your student services coordinator.

Prerequisite: Algebra I, Grade For qualified AP students Credit: 0.5 per semester
Geometry, & Algebra II

AP English Language and Composition [1, 2]

Students learn to understand and analyze complex styles of writing by reading works from a variety of authors. They'll explore the richness of language, including syntax, imitation, word choice, and tone. They'll also learn about their own composition style and process, starting with exploration, planning, and writing, and continuing through editing, peer review, rewriting, polishing, and applying what they learn to a breadth of academic, personal, and professional contexts. 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.

This course has required materials. Please contact your student services coordinator.

Prerequisite: At least a B-grade Grade For qualified AP students Credit: 0.5 per semester
in most recent English course

AP English Literature and Composition [1, 2]

Students are immersed in novels, plays, poems, and short stories from various periods. Students will 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 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.

This course has required materials. Please contact your student services coordinator.

Prerequisite: At least a B- grade in most recent Eng course

Grade: For qualified AP students

Credit: 0.5 per semester

AP Environmental Science [1,2]

AP* Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, 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. Frequent no- and low-stakes assessments allow students to measure their comprehension and improve their performance as they progress through each activity. 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.

Summative tests 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.

Prerequisite: Two years of HS Lab science. 1 yr Life Science and 1 yr Physical Science. 1 yr Algebra

Grade: For qualified AP students

Credit: 0.5 per semester

AP French Language and Culture A,B

The AP* French Language and Culture course is an advanced language course in which students are directly prepared for the AP* French Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course is conducted almost exclusively in French. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide-variety of authentic French-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using French, gain knowledge and understanding of the cultures of the Francophone world, use French to connect with other disciplines and expand knowledge in a wide-variety

of contexts, develop insight into the nature of the French language and its culture, and use French to participate in communities at home and around the world. The AP* French Language and Culture course is a college level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

Prerequisite: French III

Grade: For qualified AP students

Credit: 0.5 per semester

AP Macroeconomics*

AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history. This course has been authorized by the College Board to use the AP designation.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Algebra II

Grade: For qualified AP students

Credit: 0.5 per semester

AP Microeconomics*

This course studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP Exam and for further study in business, history, and political science.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Algebra I

Grade: For qualified AP students

Credit: 0.5 per semester

AP Psychology*

AP Psychology provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human reactions: how people learn and think, the process of human development and human aggression, altruism, intimacy, and self-reflection. They'll study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. Along the way, students will also investigate relevant concepts like study skills and information retention. The equivalent of a 100-level college survey course, AP Psychology prepares students for the AP Exam and for further studies in psychology and life sciences.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Biology

Grade: For qualified AP students

Credit: 0.5 per semester

AP Spanish [A,B]

The AP* Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP* Spanish Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course is conducted almost exclusively in Spanish. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide-variety of authentic Spanish-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of Spanish speaking areas of the world, use Spanish to connect with other disciplines and expand knowledge in a wide-variety of contexts, develop insight into the nature of the Spanish language and its culture, and use Spanish to participate in communities at home and around the world. The AP* Spanish Language and Culture course is a college level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

Prerequisite: Spanish III

Grade: For qualified AP students

Credit: 0.5 per semester

AP Statistics [1, 2]

Students have hands-on experience 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 from another 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 plays 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.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Algebra II or Math Analysis

Grade: For qualified AP students

Credit: 0.5 per semester

AP US Government and Politics*

AP U.S. Government and Politics studies the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics, and to

analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP U.S. Government and Politics prepares students for the AP exam and for further study in political science, law, education, business, and history. This course has been authorized by the College Board to use the AP designation.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade: For qualified AP students

Credit: 0.5 per semester

AP US History [1,2]

This course analyzes and explores the economic, political, and social changes in America since Columbus. Student's master historical knowledge and critical analysis, build reading, writing, and communication skills, and discover how historical events have contributed to American culture. In the process, they'll learn how decisions and events of the past continue to have profound effects on the world today and how knowledge of the causes behind past events can influence future decisions. By the end of the course, students will be ready to put their factual knowledge to work by weighing evidence and interpreting problems presented by historians. The equivalent of an introductory college-level course, AP U.S. History prepares students for the AP Exam and for further study in history, political science, economics, sociology, and law.

This course has required materials. Please contact your student services coordinator.

Prerequisite: At least a B-grade in most recent social studies course

Grade: For qualified AP students

Credit: 0.5 per semester

DUAL CREDIT ONLINE COURSE OPPORTUNITIES

JEDI continues to survey options for quality and ease of use for students and staff. We welcome you to contact the office to discuss the possibilities of matching an online course from an alternate source to meet the needs of your students.

Madison College ---Online Courses--Dual Credit

Medical Terminology, 10-501-101

Focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis is on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology, is included. Students must take final exam in person at one of the Madison College campus locations. Due to this course being college-level, due dates are firm.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Compass test Grade 11-12 Credit: 0.5 credit and 3 credits
scores of: Pre-Alg 55, Reading 80 from Madison College
& Writing 70 or comparable
class equivalents

****Contact your JEDI Student Services Coordinator to inquire for additional prospective Dual Credit Course opportunities.***

High School Credit Recovery Offerings

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

Algebra I—CR [1, 2]

The purpose of this course is to allow the student to gain mastery in working with and evaluating mathematical expressions, equations, graphs, and other topics, with an emphasis on real-world applications throughout this year-long algebra course. The first semester of the course includes an introduction to real numbers and variable expressions, method for solving equations, understanding functions and relations, and an in-depth study of linear and quadratic functions. The second semester of the course provides students with extensive instruction in topics including systems of equations and inequalities, exponential and radical functions, rational expressions and equations, as well as probability and statistics. Throughout the course are self-check quizzes, audio tutorials, interactive manipulatives, practice games, and plenty of review activities.

This course requires the use of a graphing calculator.

Prerequisite: Pre-Algebra

Grade 9-12

Credit: 0.5 per semester

Algebra II—CR [1, 2]

Algebra II Credit Recovery expands on the mathematical content of Algebra I and Geometry and serves as a foundation for the material presented in subsequent mathematics courses (for example, Trigonometry and Calculus). In this course, the emphasis is on functions and using algebraic solutions to solve various types of problems. Students are encouraged to develop their abstract thinking skills as well as their computational skills. The two-semester course covers the following topics: linear and quadratic functions, radical functions, rational functions, exponential and logarithmic functions, trigonometric functions, systems of equality, geometry, conic sections, statistics and probability.

Prerequisite: Algebra I

Grade 9-12

Credit: 0.5 per semester

American Government—CR*

This one-semester credit recovery course covers the historical backgrounds, governing principles, and institutions of the government of the United States. The focus is on the principles and beliefs that the United States was founded on and on the structure, functions, and powers of government at the national, state, and local levels. In American Government, students examine the principles of popular sovereignty, separation of powers, checks and balances, republicanism, federalism, and individual rights. They also learn about the roles of individuals and groups in the American political system. Students compare the American system of government with other modern systems and assess the strengths and problems associated with the American version.

Prerequisite: None

Grade 9-12

Credit: 0.5

American History—CR [1, 2]

This credit recovery course gives students a basic understanding of American history. The course begins with the settling of America and continues through present-day domestic and foreign issues that affect American society. In this course, students analyze influential documents and learn about significant individuals who contributed to the nation's development. They study the causes and effects of the various wars in which Americans have fought, and they use critical thinking and problem-solving skills as they take part in interactive discussions and complete a variety of assignments. By the end of the

course, students have the knowledge to discuss the characteristics that define the United States as a world power.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Biology—CR [1, 2]

This credit recovery course is an introduction to biology, which is the branch of knowledge that deals with living organisms and vital processes. In Biology, students learn about the processes of scientific inquiry (the diverse ways in which scientists study the natural world and propose explanations based on the evidence derived from their work). They also learn about the fundamental principles of living organisms, including physical and chemical properties of life, cellular organization and function, and the transfer of energy. The course also addresses cellular reproduction, the classification of living things, and the six kingdoms of life. Students explore ecology and ecosystems and conclude the course with a unit on human biology and populations.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Chemistry—CR [1, 2]

This course adheres closely to standards for the teaching of chemistry. Emphasis is placed on the use of theoretical and mathematical concepts to explain and predict chemical behavior. This course has been specifically built with the credit recovery student in mind. The course content has been appropriately grouped into smaller topics to increase retention and expand opportunities for assessment. Students engage in learning through multimedia activities, enhancing the information through contextual presentations. Post-topic quizzes are presented with each topic of content. Audio readings are included with every portion of content, allowing auditory learners the opportunity to engage with the course. Test pools and randomized test questions are utilized as well as unit exams, ensuring that students taking the course will not be presented with the same assessment content.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Earth Science—CR [1, 2]

Earth Science is the branch of science devoted to studying the planet Earth and all the objects in the universe. This course begins with an introduction to the processes, methods, and tools of scientific inquiry. An understanding of the geology of Earth is built through units that discuss topics such as rocks and minerals, plate tectonics, and Earth's natural resources. The structure and function of the atmosphere as well as situations that cause changes in the atmosphere build student's understanding of Earth's atmosphere. The study of oceanography is introduced with such topics as seafloor features and ocean currents. Weather, climate, and climate change are topics that begin to develop an understanding of meteorology. Throughout the course students develop an understanding of how Earth's systems and cycles work together to make life on Earth possible. The students also take a tour of the universe as they discuss its formation, the characteristics of the objects in our solar system, and the universe beyond our solar system. Throughout the course, they see examples of how individuals have built our knowledge of Earth and the universe through invention, innovation, and discovery.

Prerequisite: Pre-Algebra,
Physical Science 8

Grade 9-12

Credit: 0.5 per semester

Economics—CR*

In this one-semester credit recovery course, students gain a basic understanding of economics. The course uses real-world economic applications to help students better grasp a range of economic concepts, including macro- and microeconomic concepts. The course covers the American free

enterprise system and addresses how this system affects the global economy. Students learn how to think like economists as they study economic principles and different economic systems. They analyze and interpret data to understand the laws of supply and demand. Examining the world of business, money, banking, and finance helps students understand how economics is applied both domestically and globally.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5

English I—CR [1, 2]

In this credit recovery course, students learn about modern forms of communication and the media, with a focus on the Internet. They also explore elements of fiction and expository texts, build their vocabulary, and develop their language skills through reading and writing assignments. Vocabulary lists and definitions are provided in both English and Spanish. Tools to improve study skills are embedded throughout the course; threaded discussions, rubrics, and study guides help students absorb and proactively respond to the course content. Because the course is designed specifically for credit recovery students, content is appropriately grouped into smaller topics to increase retention and expand opportunities for assessment.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

English II—CR [1, 2]

In English II Credit Recovery, students conduct an in-depth survey of literature. They read literary works from a variety of genres and cultures and examine both classic and modern periods. In the process, students learn about literary techniques and the effectiveness and purposes of common literary devices. The course stresses critical thinking skills; assignments include speaking and writing projects to help students develop these skills. Students continue to build their vocabulary in this course; as in English I (E), vocabulary lists and definitions are provided in English and Spanish. Interactive questions and games allow students to check their understanding before taking assessments.

This course has required materials. Please contact your student services coordinator.

Prerequisite: English I

Grade 9-12

Credit: 0.5 per semester

English III—CR [1, 2]

This credit recovery course helps students understand how the reading, writing, listening, and speaking skills they have been developing in high school can be applied to work they may do in college courses and in their future careers. In English III, students use an online literature anthology to continue their study of literature. Course content progresses chronologically through the periods of American literature, from Native American oral traditions through contemporary works of poetry, fiction, drama, and nonfiction. Each unit focuses on a literary movement through the lens of an overlying theme. Students continue to work on their vocabulary skills and supplement their learning with multiple-choice games, self-check activities, and writing projects.

This course has required materials. Please contact your student services coordinator.

Prerequisite: English II

Grade 9-12

Credit: 0.5 per semester

English IV—CR [1, 2]

English IV Credit Recovery is a condensed version of the English IV Foundations course. Its format and length makes it a great fit for summer programs and other contexts in which instructional time and teacher time may be limited. In this course, students read and analyze classic, modern, and contemporary literary works. Reading selections, which are contained in an online literary anthology, include plays, short stories, poetry, essays, and novels. Students think critically about the complex issues

posed in the readings and express their interpretations of these issues in essays, research papers, journals, and oral presentations. Students learn about the validity of sources as they complete their writing assignments.

This course has required materials. Please contact your student services coordinator.

Prerequisite: English III Grade 9-12 Credit: 0.5 per semester

Geography—CR [1], [2]

Designed for credit recovery students, this course examines a broad range of geographical perspectives covering all of the major regions of the world. Each region is reviewed in a similar structure so that students can clearly see the similarities and differences between regions. Specifically, the course explores where each region is located, along with its physical characteristics, including absolute and relative location, climate, and significant geographical features. The course then examines each region from a cultural, economic, and political perspective, closely examining the human impact on the region from these perspectives as well as how content includes instruction on writing about art and a discussion of art historians.

Prerequisite: None Grade 9-12 Credit: 0.5 per semester

Geometry—CR [1, 2]

Geometry Credit Recovery is a comprehensive course featuring geometric terms and processes, logic, and problem solving. The course begins by giving students an immediate connection to the content and concepts they have learned in their Algebra courses. (Building on prior knowledge helps students absorb new content.) Students go on to learn about parallel line and planes; rays and angles; congruent triangles; inequalities; quadrilaterals; circles; polygons; perimeter, area, and volume; inductive and deductive reasoning; and translations, reflections, and rotations. They study various forms of proofs and develop their reasoning and problem-solving skills by studying similarity, areas, volumes, circles, and coordinate geometry.

This course requires the use of a graphing calculator.

Prerequisite: Algebra I Grade 10 Credit: 0.5 per semester

Health—CR*

This one-semester credit recovery course provides students with information that will help them live a more healthy and productive life. The emphasis is on making healthy personal decisions and in getting the information needed to make those choices. The course addresses both mental and physical health. Students learn about nutrition, including food guidelines and types of food; eating disorders are also covered. Students learn about first aid and CPR, substance abuse, and human sexuality. The course also covers consumer health resources, including government resources, nonprofit resources, and health insurance. Students learn how technology is influencing health care, and they examine the benefits of frequent physical exercise.

Prerequisite: None Grade 9-12 Credit: 0.5

Physical Education—CR*

Through this one-semester credit recovery course, students learn a wide variety of fitness concepts that they will be able to use in their everyday life. The course addresses the fundamentals of physical fitness, including goal setting and target heart rate. Students learn about how their body works by studying static and dynamic balance, linear and rotary motion, anatomy, and biomechanics. They are introduced to a variety of lifetime activities, including tennis, golf, Frisbee, and orienteering. They also learn about activities to promote cardiorespiratory fitness, including kickboxing, hip hop dance, fitness walking, and cycling. Pilates, yoga, and breathing exercises that help promote physical and emotional wellness are addressed as well.

Prerequisite: None

Grade 9-12

Credit: 0.5

Physical Science—CR [1, 2]

This credit recovery course is an introductory course to high school science courses. In Physical Science (E), students expand on their middle school science experiences to prepare for subsequent courses in Biology, Chemistry, and Physics. The course emphasizes scientific thinking as a way of understanding the natural phenomena that surround us. It includes real and virtual lab exercises and gives students the skills to discuss a number of scientific topics, understand how science is used in their daily lives, and become comfortable with solving simple algebraic expressions that support scientific laws. Built with the credit recovery student in mind, the course content is grouped into smaller topics to increase retention and expand opportunities for assessment.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Spanish I—CR [1], [2]

This credit recovery course provides students with instruction in the basics of learning the language of Spanish. Content includes topics such as greetings, time, dates, colors, clothing, numbers, weather, family, houses, sports, food and drink, and school. The course also introduces basic and stem-changing verbs and their formation and use in the present tense. Students also learn about interrogatives, question formation, and adjectives and their form and use, in addition to possessives, prepositions, and other grammatical structures. Finally, students become acquainted with the Spanish-speaking countries of the world and their cultures, and they learn practical information, such as restaurant vocabulary and expressions of invitation.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

World History—CR [1], [2]

World History Credit Recovery is a survey of world history from prehistoric to contemporary times. Students learn about the socioeconomic, political, and ideological conditions of various time periods as they study historical events, cultural achievements, and world regions. Using primary and secondary sources, they employ critical thinking and problem-solving skills as they conduct inquiry-based research, participate in interactive discussions, and complete assignments establishing real-world connections. By the end of the course, students can articulate the relationship between historical occurrences and contemporary situations. They can also predict how contemporary issues will affect future generations, based on historical evidence.

Prerequisite: None

Grade 9-12

Credit: 0.5 per semester

Middle School Offerings

*Indicates a ONE SEMESTER course- offered either semester.

[1, 2] and [A, B] indicate semester, and varies by vendor.

Semester 1= [1] or [A]. Semester 2= [2] or [B].

2D Studio Art

Enter course description here

Prerequisite: Math 7

Grade 8

Credit: 0.5 per semester

Algebra [A, B]

Students deepen their computational and problem-solving fluency through topics in linear relationships, functions, and geometry. Proportions are understood as special linear equations in which the constant of proportionality is the slope. Students also consider the fit of bivariate data with linear models.

Students solve systems of two linear equations in two variables and relate those solutions to a representation in the coordinate plane. Functions are understood as a rule that determine a unique output for every input. Students apply functions and are able to translate between various representations. Geometry delves into translations, rotations, reflections, and dilations in the coordinate plane. Students also consider the angles created by the transversal of parallel lines. The Pythagorean Theorem is explored and used to find distances between points and to analyze polygons. Students also find volumes of cones, cylinders, and sphere.

The student will need a calculator, a compass, graph paper, a protractor, and a ruler.

Prerequisite: Math 7

Grade 8

Credit: 0.5 per semester

Art 7*

Journey through time and place while examining some of the greatest masterpieces created. In this course, students will explore world regions and study the unique artifacts and works of architecture that define ancient civilizations. From Mesopotamia, the world's first civilization, to the Roman streets of Pompeii, participants will learn the fundamental concepts of art, how to look at and evaluate art, and the intended function of natural history museums through hands-on activities, discussions, written assignments, and objective assessments.

Prerequisite: None

Grade 7

Credit: 0.5

Art 8*

Journey through time and place while examining some of the greatest masterpieces created. In this course, students will explore world regions and study the unique art and architecture that defines modern-day civilizations. From Picasso to Hiroshige, participants will learn the fundamental concepts of art, how to look at and evaluate art, and where to find educational resources for the study of art history and applied arts through hands-on activities, discussions, written assignments, and objective assessments.

Prerequisite: None

Grade 8

Credit: 0.5

Art Explorations*

Introducing students to diverse areas in the arts can broaden their perspective on the arts in general.

Arts Explorations encourages students to experience each of the modern arts disciplines including Visual Arts, Theatre, Music, Media Arts and Dance. Students will also be able to identify areas of special

interest where they would like continued study and the ways that the arts can be a part of their career paths.

Prerequisite: None

Grade 8

Credit: 0.5

Art Explorations*

Introducing students to diverse areas in the arts can broaden their perspective on the arts in general. Arts Explorations encourages students to experience each of the modern arts disciplines including Visual Arts, Theatre, Music, Media Arts and Dance. Students will also be able to identify areas of special interest where they would like continued study and the ways that the arts can be a part of their career paths.

Prerequisite: None

Grade 8

Credit: 0.5

Chinese 1 [A, B]*

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 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 countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: None

Grade 6-8

Credit: 0.5

Chinese 2 [A, B]*

Students continue their language-learning adventure by progressing to this next level of middle school Chinese. The instruction is equivalent to that found in the second semester of High School Chinese I. Students expand their introduction to Chinese through focus on 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 countries, and take frequent assessments where

their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: MSI Chinese 1

Grade 6-8

Credit: 0.5

Family and Consumer Science*

The middle school Family and Consumer Science course focuses on the introduction of skills and knowledge that will help young teenagers transition into the adult roles within the family. Students engage in activities to learn more about managing money, entering the world of work, establishing a home and family, preparing nutritious meals, working as part of a team, and caring for the environment and their community. Students gain an appreciation for the work of the family and how they as individuals contribute to the well-being of their family and their community.

Prerequisite: None

Grade 6-8

Credit: 0.5

French I [A, B]

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of High School French I. Students begin their introduction to French by focusing on the four key areas of 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. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: None

Grade 6-8

Credit: 0.5 per semester

French II [A, B]

Students continue their language-learning adventure by progressing to this next level of middle school French. The instruction is equivalent to that found in the second semester of High French I. Students expand their introduction to French through focus on 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. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: French I

Grade 6-8

Credit: 0.5 per semester

Fundamentals of Geometry & Algebra [A, B]

Students enhance computational and problem-solving skills while learning topics in algebra, geometry, probability, and statistics. They solve expressions and equations in the context of perimeter, area, and volume problems while further developing computational skills with fractions and decimals. The study of plane and solid figures includes construction and transformations of figures. Also in the context of problem solving, students add, subtract, multiply, and divide positive and negative integers and solve problems involving ratios, proportions, and percents, including simple and compound interest, rates, discount, tax, and tip problems. They learn multiple representations for communicating information, such as graphs on the coordinate plane, statistical data and displays, as well as the results of probability and sampling experiments. They investigate patterns involving addition, multiplication, and exponents, and apply number theory and computation to mathematical puzzles.

Prerequisite: 5th Grade Math

Grade 6-8

Credit: 0.5 per semester

German I [A, B]

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. The instruction is equivalent to that found in the first semester of High School German I. Students begin their introduction to German by focusing on the four key areas of 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. 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 German-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: None

Grade 6-8

Credit: 0.5 per semester

German II [A, B]

Students continue their language-learning adventure by progressing to this next level of middle school German. The instruction is equivalent to that found in the second semester of High School German I. Students expand their introduction to German through focus on 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. 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 German-speaking countries, and take frequent assessments where their language progression can be

monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: German I

Grade 6-8

Credit: 0.5 per semester

Guitar I [1, 2]

Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, 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 Summer, will guide you through each step of this journey towards becoming a skilled guitarist and musician.

The student will need a guitar and recording device to submit a video of the student playing the guitar.

Prerequisite: None

Grade 6-8

Credit: 0.5 per semester

Health*

This course will help the student understand the importance of making decisions that will affect his or her physical, emotional, mental and social health. This course will provide students with the knowledge and resources they will need to make responsible informed decisions about their health. Students will have an opportunity to evaluate their own values, opinions and attitudes about health.

Prerequisite: None

Grade 6

Credit: 0.5

Health 6*

This course is designed to equip students with the knowledge and skills necessary to make healthy choices throughout one's lifetime. Students will gain valuable health information and learn healthy, proactive practices. Students will have an opportunity to demonstrate their skills in healthy decision-making, problem solving, goal setting, and effective communication and refusal negotiation. Students will acquire the skills necessary to recognize unhealthy and risky behaviors, manage peer pressure, and develop strategies for improving personal and community health. Students will gain an understanding of the many different influences on one's health and the interrelationships that occur between mental, physical, social, spiritual and environmental health. The course will consist of vocabulary quizzes, discussion sessions amongst peers, multimedia interactive tutorials, lab activities and teacher interactions. Students will be assessed weekly to determine content understanding. After completion of this course, students will understand and be able to begin implementing positive, lifelong, health skills for optimum health and wellness.

Prerequisite: None

Grade 6-8

Credit: 0.5

Health 7*

This course is designed to teach lifetime health and wellness knowledge in order to prevent various psychological and physical disorders. Students will learn health information and practices, as well as experience implementing their newfound skills and knowledge. They will acquire the skills necessary to handle peer pressure, recognize unhealthy and risky behaviors and how to prevent and avoid them, and develop strategies for improving personal and community health. Students will gain an understanding of the relationships that influence one's health, as well as refusal and coping skills that play a major parting personal health, as well. Quizzes, discussion sessions among peers, projects, and interactions will be assessed weekly to gauge content understanding. After completion of this course, the student will understand and have experience practicing lifelong skills for lifelong health and wellness.

Prerequisite: Health 6

Grade 6-8

Credit: 0.5

Health 8*

Welcome to the 8th grade Health course. This course is designed to provide the student with the knowledge and skills that will enable him or her to achieve and maintain a healthful lifestyle. The student will learn health information and practices necessary to understand and manage many aspects of their physical, social, intellectual, spiritual and emotional health throughout adolescence into adulthood.

Prerequisite: Health 7

Grade 6-8

Credit: 0.5

Introduction to Group Sports I*

This course provides students with an overview of group sports. Students learn about a variety of sports, and an in-depth study of soccer or basketball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about game strategy and the benefits of sports. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

Prerequisite: None

Grade 6-8

Credit: 0.5

Introduction to Group Sports II*

This course provides students with an overview of group sports. Students learn about a variety of sports and do an in-depth study of baseball/softball, and volleyball. Students learn the history, rules, and guidelines of each sport, as well as practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.

Prerequisite: Intro to Group Sports I

Grade 6-8

Credit: 0.5

Introduction to Individual Sports I*

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross-training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

Prerequisite: None

Grade 6-8

Credit: 0.5

Introduction to Individual Sports II*

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, strength training, yoga, Pilates, dance, water sports, and cross-training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

Prerequisite: Intro to Individ
Sports I*

Grade 6-8

Credit: 0.5

Language Arts 6 [1,2]

Using a motif of Heroes, Helpers, and Hope, students in the Middle School Language Arts I course will acquire the reading, writing, language, and speaking/listening skills necessary for success in college, careers, and beyond. Students will become critical readers and thinkers as they delve into fiction and informational texts within the course. They will also learn to effectively write narrative, informational, and argumentative pieces, and present their ideas clearly and cohesively.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Language Arts K-5 Grade 6 Credit: 0.5 per semester

Language Arts 7 [1, 2]

Using a motif of Mystery, Monsters, and Mayhem, students in the Middle School Language Arts II course will acquire the reading, writing, language, and speaking/listening skills necessary for success in college, careers, and beyond. Students will become critical readers and thinker sas they delve into fiction and informational texts within the course. They will also learn to effectively write narrative, informational, and argumentative pieces, and present their ideas clearly and cohesively.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Language Arts 6 Grade 7 Credit: 0.5 per semester

Language Arts 8 [1, 2]

Using a motif of Innovation, Imagination, and Invention, students in the Middle School Language Arts III course will acquire the reading, writing, language, and speaking/listening skills necessary for success in college, careers, and beyond. Students will become critical readers and thinkers as they delve into fiction and informational texts within the course. They will also learn to effectively write narrative, informational, and argumentative pieces, and present their ideas clearly and cohesively.

This course has required materials. Please contact your student services coordinator.

Prerequisite: Language Arts 7 Grade 8 Credit: 0.5 per semester

Latin I [A, B]

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

language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: None

Grade 6-8

Credit: 0.5 per semester

Latin II [A, B]

Students continue their language-learning adventure by progressing to this next level of middle school Latin. The instruction is equivalent to that found in the second semester of High School Latin I. Since mastering a classical language presents different challenges from learning a spoken world language, students learn Latin through ancient, time-honored, classical language approaches which include repetition, parsing, written composition, and listening exercises. These techniques, combined with a modern multimedia approach to learning grammar, syntax, and vocabulary, provide students with a strong foundation for learning Latin. Each unit consists of a new vocabulary theme and grammar concept, reading comprehension activities, writing activities, multimedia culture, history, and mythology presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on engaging with authentic classical Latin through weekly encounters with ancient passages from such prestigious authors as Virgil, Ovid, and Lucretius. The curriculum concurs with the Cambridge school of Latin; therefore, students will learn ancient high classical styles of pronunciation and grammar in lieu of generally less sophisticated medieval styles, making it possible for students to comprehend the most Latin from the widest range of time periods. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, understand and analyze the cultural and historical contexts of the ancient sources they study, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Prerequisite: Latin I

Grade 6-8

Credit: 0.5 per semester

Mandarin Chinese I [1, 2]

This fun, interactive course for middle school students is filled with diverse, multimedia language activities. Students begin 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).

The student will need a microphone and audio recording software.

Prerequisite: None

Grade 6-8

Credit: 0.5 per semester

Mandarin Chinese II [1, 2]

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 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. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

The student will need a microphone and audio recording software.

Prerequisite: Mandarin Chinese I Grade 6-8

Credit: 0.5 per semester

Math 6 [1, 2]

The course is designed to engage students at every turn. Students have opportunities to demonstrate their knowledge of number manipulation by applying it to real world scenarios. The course is packed with games that reinforce and let students practice the skills they learn throughout the course. Tidbits of trivia and activities throughout the course leave students with a smile.

Prerequisite: Math 5

Grade 6

Credit: 0.5 per semester

Math 7 [1, 2]

The course is designed to expand student knowledge about transformations of shapes by sliding, flipping, rotating, and enlarging them on the coordinate plane. This course gives students the opportunity to create, investigate, and demonstrate knowledge at both intermediate and advanced levels. Students will be amazed with the skills that they accumulate in completing this course. This course is so full of animations, applications, videos, games, and real world scenarios, students may think it is the latest video game.

Prerequisite: Math 6

Grade 7

Credit: 0.5 per semester

Math 8 (Pre-Algebra) [1, 2]

Students who love interactive learning will enjoy Pre-Algebra. They experience intrigue and fun when they log in to Pre-Algebra. This hands on course is full of slideshows, applications, videos, and real world scenarios. The satisfaction student's gain from truly understanding higher level concepts such as functions and systems of equations encourages excitement and joy for learning that they may have never experienced before. The instruction in this course will focus on three critical areas: (1) analyzing two and three-Dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations.

Prerequisite: Math 7

Grade 8

Credit: 0.5 per semester

Music 6*

Through this online Music course, students will be exposed to many diverse activities and will learn a wide variety of musical concepts they will be able to use in their daily experiences for the rest of their lives. Students will learn foundational skills such as performing, listening, analyzing and responding to music. Students will develop a sense of self-esteem by accomplishing activities that require higher critical thinking skills especially developed for their grade level. Integrated assignments incorporate other content areas of study providing students with an additional enrichment experience they'll be able to take with them for a lifetime. Quizzes, discussion boards, projects, and performance activities will be assessed weekly to gauge content understanding. After completion of this course, students will be able to describe and analyze musical sound, demonstrate musical artistry, perform a varied repertoire of music, read and write music notation, create and arrange music within specified guidelines and relate music to history, society, and culture.

Prerequisite: None

Grade 6

Credit: 0.5

Music 7*

Through this online Music course, students will be exposed to many diverse activities and will learn a wide variety of musical concepts they will be able to use in their daily experiences for the rest of their lives. Students will learn foundational skills such as performing, listening, analyzing and responding to music. Students will develop a sense of self-esteem by accomplishing activities that require higher critical thinking skills especially developed for their grade level. Integrated assignments incorporate other content areas of study providing students with an additional enrichment experience they'll be able to take with them for a lifetime. Quizzes, discussion boards, projects, and performance activities will be assessed weekly to gauge content understanding. After completion of this course, students will be able to describe and analyze musical sound, demonstrate musical artistry, perform a varied repertoire of music, read and write music notation, create and arrange music within specified guidelines and relate music to history, society, and culture.

Prerequisite: None

Grade 7

Credit: 0.5

Music 8*

Through this online Music course students will be exposed to many diverse activities and will learn a wide variety of musical concepts they will be able to use in their everyday lives for the rest of their lives. Students will learn foundational skills such as performing, listening, analyzing and responding to music. Students will develop a sense of self-esteem by accomplishing activities that require higher critical thinking skills especially developed for their grade level. Integrated assignments incorporate other content areas of study such as: science, social studies and math. The content studied will directly apply to other areas of study providing students with an additional enrichment experience they'll be able to take with them for a lifetime. Quizzes, discussion boards, projects, and performance activities will be assessed weekly to gauge content understanding. After completion of this course, students will have the knowledge to critically analyze music, use proper music terminology to describe musical concepts, create music of their own and enhance their musicianship.

Prerequisite: None

Grade 8

Credit: 0.5

Photography*

Photographs play an important role in our world today. We photograph to preserve memories, document events, and create artistic works. This course introduces students to the basics of photography, including camera functions and photo composition. Students will learn what it takes to

create a good photograph and how to improve photographs of animals, people, and vacations. They will also begin working with their photographs using photo-editing software. Through a variety of assigned projects, students will engage their creativity by photographing a range of subjects and learning to see the world through the lens of their cameras.

Prerequisite: None

Grade 6-8

Credit: 0.5

Physical Education 6*

The 6th grade physical education course will introduce students to health related fitness components, dance, team sports, healthy choices and lifetimes activities. Through these units students will learn the essential principles to live a healthy active lifestyle. The lessons will give the student exposure to many of the activities that can be incorporated into their daily lives today, tomorrow and in their future.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 6

Credit: 0.5

Physical Education 7*

Through this online Physical Education course students will be exposed to many diverse activities and will learn a wide variety of fitness concepts that they will be able to use in their everyday lives. Students will learn lifelong skills such as rock climbing, orienteering, and ping-pong along with stress management concepts through Yoga and Pilates. Students will develop a sense of self-esteem and accomplishment through completion of fitness tests, attaining personal goals set, and learning to care for their body. Integrated assignments will show students that content areas of science, social studies, math, and English are littered throughout physical education and apply in our everyday activities. Quizzes, discussion boards, projects, and physical activity will be assessed weekly to gauge content understanding. After completion of this course students will have the knowledge to stay fit and stay active well beyond middle school.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 7

Credit: 0.5

Physical Education 8*

In this online course students will be exposed to various physical activities and fitness concepts that will contribute to their overall physical activity level. The students will learn a multitude of skills that will accompany them throughout their lifespan. They include things like target heart rate, the basics of fitness testing, goal setting, safety, balance, motion, aerobic/anaerobic exercise routines, strength training, stress management, yoga, Pilates, various dances, cycling, and other individual games and activities. Other subject areas like science, math, social studies, foreign languages, and English are integrated into the course content. Students understanding of the course content will be assessed in a variety of ways that include quizzes, tests, discussion boards, and other projects. After completing the course the students will have mastered the course content.

This course has required materials. Please contact your student services coordinator.

Prerequisite: None

Grade 8

Credit: 0.5

Physical Science [A, B]

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Prerequisite: None

Grade 8

Credit: 0.5 per semester

Pre-Algebra [A, B]

Students will learn 7th grade math topics outlined in this course drawing from a variety of sources, including hands on activities, interactive lessons, and practical math applications.

Prerequisite: None

Grade 7

Credit: 0.5 per semester

Science 6 [1, 2]

Comprehensive Science I (Science 6) is the first in a series of three consecutive science classes. This course provides an introduction to Science, Energy, Force, Weather, Climate, The Earth's Systems, and the Living World. Some topics are explored in depth while others are introduced to serve as building blocks for Comprehensive Science II and III. During this course students will explore science through every day examples and experiences. Students will participate in activities and online laboratory experiences to apply what they have learned.

Prerequisite: Science 5

Grade 6

Credit: 0.5 per semester

Science 7 [1, 2]

In Comprehensive Science II (Science 7) students explore; the foundations of science, energy, the earth and its features, the earth's internal and external structures and how they change, the earth's history, living things and how they change and interact, genetics and heredity, and the organization of the living world. Some of these topics are introduced and serve as a foundation for Comprehensive Science II, while others are discussed in detail. Students will learn through real world examples and virtually visit 6 different continents to see science in action all over the world. Students will participate in activities and online laboratory experiences to apply what they have learned.

Prerequisite: Science 6

Grade 7

Credit: 0.5 per semester

Science 8 [1, 2]

Comprehensive Science III (Science 8) introduces new information and reviews some basics of science to prepare students for high school science coursework. Topics covered in this course include: The Nature of Science, Earth and Space Science, Properties of Matter, Changes in Matter, Matter and Energy, and Energy flow in the living world. During this course students will learn through real world examples and applications. Students will participate in activities and online laboratory experiences to apply what they have learned.

Prerequisite: Science 7

Grade 8

Credit: 0.5 per semester

Social Studies 6 (Civics) [1, 2]

Learning about civics gives students the skills and knowledge necessary to be active citizens who have a positive impact on their communities. In this course, students discover the rights and responsibilities of citizenship in the United States. They learn about the structure of the government and how it works at the local, state, and federal levels. This course examines elections, the lawmaking process, and how citizens can impact public policy. Students also discover ways the United States interacts with countries around the world. Geography and economics support the learning of civics in this course. Engaging in this study prepares students to be informed citizens who are ready to participate in the American democracy.

Prerequisite: Social Studies 5

Grade 6

Credit: 0.5 per semester

Social Studies 7 (US History) [1, 2]

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.

Prerequisite: Social Studies 6

Grade 7

Credit: 0.5 per semester

Social Studies 8 (World History) [1, 2]

Somebody discovered the wheel. Somebody discovered written communication. Somebody even figured out how to count to ten. From the ancient river civilizations to China and its ancient dynasties, different civilizations left their mark on history. They also left their mark on how we live today. In this course, students join travel agent Mr. Lightfoot to travel back in time digging out the past of these ancient civilizations. In ancient Egypt students visit the pyramids and find out the secrets of preserving mummies. They see how the Mayans developed astronomy to a precise science. They even investigate the difference between the Athenians and the Spartans. Students will journey through India discovering their contributions to medicine, moving on to Africa to follow the rise and fall of the ancient east African kingdoms of Kush and Axum. Throughout the centuries, and still today, our world is made up of dozens of different cultures. They all are different, and they all have made big contributions to what we know and who we are.

Prerequisite: Social Studies 7

Grade 8

Credit: 0.5 per semester