



Missouri Course Access and Virtual School Program (MOCAP) Imagine-Edgenuity Course Descriptions - Curriculum Only

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| Course Name | Course Description |
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| 3D Modeling 1A | In this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods! By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas. |
| Accuplacer® | This course provides students with the opportunity to prepare to successfully complete the Accuplacer® exam. |
| ACT WorkKeys® | This course provides students with the opportunity to prepare to successfully complete the ACTWorkKeys exam. Students are prescribed individualized paths of study and provided instructional content for review including video-based instruction by highly-qualified teachers, interactive assignments, and regular assessment opportunities to track progress. |
| ACT® | Agribusiness Systems is a course that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. They also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations. |
| Advanced Networking 1A/B | In this course, you will learn about a variety of different networks, their layers, and the different needs they address. You'll uncover best practices for setting up secure remote access connections, techniques to troubleshoot and think strategically, and correct documentation. Lastly, you'll learn tips to successfully communicate in the workplace. |
| Advertising & Sales Promotion | 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. |
| 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. |
| Agribusiness Systems | Agribusiness Systems is a course that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. They also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations. |
| Agriscience I: Introduction to Agriscience | 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. |

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| Agriscience II A/B: Sustaining Human Life | In Agriscience II, you'll 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. |
| Algebra I A/B | This Algebra I course is fully aligned to state standards. |
| Algebra I Honors A/B | This Algebra I Honors course is fully aligned to state standards. |
| Algebra II A/B | This Algebra II course is fully aligned to state standards. |
| Algebra II Honors A/B | This Algebra II Honors course is fully aligned to state standards. |
| American Sign Language I A/B | American Sign Language 1 will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness. |
| American Sign Language II A/B | Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies. |
| Animal Systems | Animal Systems provides students with information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, veterinary practice, and innovations in food production. The course reviews current topics, such as advancements in technology and research, practices, regulations, legislature, and defines areas of discussion while maintaining focus on best management practices. |
| Animation | In Animation, you will learn how to use animation tools to conceptualize and bring your creations to life. You'll learn the ins and outs of creating 2D and 3D animation, from start to finish. You'll even begin working on our own design portfolio and get hands on experience with creating your own animation projects. |
| Anthropology I: Uncovering Human Mysteries | In Anthropology 1: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropologic lens to observe our movement from cave dweller to modern human and sheds light on how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions. |
| Anthropology II: More Human Mysteries Uncovered | Anthropology II: More Human Mysteries Uncovered provides a fascinating look at our ancient cultures and languages that were shaped by the geographical locations of our ancestors. In this course, you will begin to visualize new ideas about how ancient cultures flourished through examining their views on life, death, art, and survival to better understand the world around us today. |

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| AP Biology A/B | Edgenuity AP® Biology is a college-level biology course that engages students in the study of evolution, energetics, information storage and transmission, and systems interactions designed to prepare students to take the College Board AP Biology exam. The concepts of this course include biochemistry, cells, enzymes, metabolism, cell communication, cell cycle, heredity, gene expression, evolution, genetic diversity, and ecology. |
| AP Calculus AB A/B | The AP® Calculus AB course is designed to prepare students for the College Board AP Calculus exam and reviews precalculus; the use of limits, derivatives, definite integrals, and mathematical modeling of differential equations; and the applications of these concepts. The course uses a multi-representative approach to calculus, with concepts and problems expressed numerically, graphically, verbally, and analytically. |
| AP Computer Science Principles | AP® Computer Science Principles is equivalent to a first-semester, college-level breadth course in computer science. This course emphasizes the use of computational thinking practices for effective learning experiences and problem solving. These practices include computational solution design, algorithms and program development, abstraction in program development, code analysis, computing innovations, and responsible computing, design and evaluate solutions, apply computer science to solve problems through the development of algorithms and programs. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. |
| AP English Language & Composition A/B | Students in AP® English Language and Composition will read and analyze a variety of nonfiction genres including essays, journalism articles, political writings, science writings, nature writings, autobiographies, biographies, diaries, speeches, history writings, and criticisms with a focus on writing expository, analytical, and argumentative essays and analyzing the works of writers as they prepare to take the College Board AP exam. |
| AP English Literature & Composition A/B | AP English Literature and Composition is designed for students to critically analyze all forms of literature to comment insightfully about an author or genre’s use of style or literary device as well as interpret meaning based on form; examine the trademark characteristics of literary genres and periods; and critique literary works through expository, analytical, and argumentative essays as they prepare to take the College Board AP exam. |
| AP Environmental Science A/B | AP Environmental Science is a laboratory and field-based course designed to provide students with the content and skills needed to understand the various interrelationships in the natural world, to identify and analyze environmental problems, and to propose and examine solutions to these problems as they prepare to take the College Board AP exam. |
| AP French Language & Culture A/B | AP French Language is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The course is designed as an immersion experience requiring the use of French exclusively |

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| | where the online learning coach only uses French to communicate with students and all the reading, listening, speaking and writing is in French. |
| AP Human Geography A/B | AP® Human Geography focuses on the study of human populations and their interaction with one another, as well as with the physical and built environments. Emphasis is placed on critical and evaluative thinking skills, free-response writing, and research where students will demonstrate that they can understand and implement skills via written work, project-based activities, and assessments. |
| AP Psychology A/B | The AP Psychology course introduces students to the scientific study of the behaviors and mental processes of human beings. Students will study a wide range of topics, including the history and approaches of psychology, research methods, behavior and learning, personality, and abnormal behavior and its treatment. |
| AP Spanish Language & Culture A/B | Our online AP Spanish Language and Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The course is designed as an immersion experience and is conducted almost exclusively in Spanish where all student work, practices, projects, participation, and assessments are in Spanish. |
| AP Statistics A/B | AP® Statistics covers major topics of study that are organized into three big ideas: variation and distribution, patterns and uncertainty, data-based predictions, decisions, and conclusions where the topics explore one- and two-variable data, sampling, experimentation, probability, sampling distributions, and statistical inference. This course is aligned to the new College Board AP® Statistics course description that was introduced in 2019. |
| AP United States Government & Politics | AP US Government and Politics course explores and analyzes important concepts of US government and politics and allows students to have an understanding of the US Constitution and political system. By the end of this course, students will have an understanding of the US Constitution and political system. |
| AP United States History A/B | AP U.S. History course provides an in-depth study of American history from the pre-Colombian era to the present and emphasizes themes such as national identity, economic transformation, immigration, politics, international relations, geography, and social and cultural change. Students learn to assess historical materials, weigh the evidence and interpretations presented in historical scholarship, and analyze and express historical understanding in writing. |
| AP World History A/B | AP® World History: Modern explores historical themes common to societies around the world and across time periods, from 1200 to the present day where emphasis is placed on document analysis, historical thinking skills, reasoning processes, and essay writing. Students will demonstrate their understanding and acquisition of skills through written work, document-based questions, project-based activities, and practice exams. |
| Archaeology: Detectives of the Past | This course focuses on techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved bridging the relationship of material items to culture and what we can learn about past societies from these items. |

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| Art History I A/B | Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, Art History I offers students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course will cover topics including early Medieval and Romanesque art through modern art in Europe and the Americas. |
| Astronomy I: Exploring the Universe A/B | Astronomy: Exploring the Universe introduces you to the engaging world of astronomy where you will examine such topics as the solar system, space exploration, the Milky Way, and other galaxies. The course also explores the history and evolution of astronomy including those basic scientific laws of motion and gravity that have guided astronomers as they made their incredible discoveries of the universe. |
| ASVAB® (Math, Verbal, Science) | This course provides students with the opportunity to practice the knowledge and skills required by the Armed Services Vocational Aptitude Battery (ASVAB) with topics focusing on the four critical areas of the ASVAB: Arithmetic Reasoning, Word Knowledge, Paragraph Comprehension, and Mathematics Knowledge. Practice tests are used to diagnose and target areas of opportunity. |
| Banking Services Careers | Banking Services Careers provides an overview of how the banking system works, what the Federal Reserve is, and the technical and social skills needed to work in banking and related services. Students explore career paths and the required training or higher education necessary and gain an understanding of the basic functions of customer transactions (e.g., setting up an account, processing a loan, establishing a business), cash drawer activity, check collection processes, and other customer service–related transactions. |
| Biology A/B | This course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This course encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science including biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. |
| Biotechnology 1A/B | In Biotechnology 1a/b: Introduction, you'll learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Finally, you'll delve into early industrial discoveries and explore the developments in biotechnology during the industrial revolution. |
| Biotechnology I: Unlocking Nature's Secrets A/B | 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. |

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| Business Computer Information Systems A/B | Business Computer Information Systems is a year-long course that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas: communication, business technology, word processing, spreadsheet, and database applications, telecommunications, desktop publishing, and presentation technology, computer networks, and computer operating systems. |
| Business Law | This course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Global commerce and international agreements, treaties, organizations, and courts are discussed to get a better sense of what it means to “go global” with a business. |
| Career Explorations A/B | This course prepares students to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn how to assess their own skills and interests, explore industry clusters and pathways, and develop plans for career and academic development. |
| Career Explorations I | Career Explorations I is a course designed to give students an opportunity to explore various CTE subjects. Specifically, students learn about careers involving human-related services such as Career Management, Introduction to Careers in Health Sciences, Hospitality and Tourism Systems, Human Services, and Consumer Services. |
| Career Explorations II | Career Explorations II is a course designed to give students an opportunity to explore various CTE subjects. Specifically, students learn about careers involving various technical fields from computers to agriculture such as Information Technology, Introduction to Information Support and Services, Introduction to Network Systems, Introduction to Agriculture, Food, and Natural Resources, and Introduction to STEM (Science, Technology, Engineering, and Mathematics). |
| Career Explorations III | Career Explorations III is a course designed to give students an opportunity to explore various CTE subjects. Specifically, students learn about careers from business to hands-on career paths such as Introduction to Business and Finance, Introduction to Manufacturing, Introduction to Transportation, Distribution, and Logistics, Introduction to Architecture and Construction, and Introduction to Marketing. |
| Career Management | Career Management is a course that assists students in their preparation for career selection that is designed to improve workforce skills needed in all careers including communication, leadership, teamwork, decision making, problem solving, goal setting and time management. Students complete activities that help identify personal interests, aptitudes, and learning styles and use results of self-assessments to determine careers that may prove personally satisfying. |
| Career Planning & Development | This course provides the knowledge and insight necessary to compete in today’s challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop skills and job search documents needed to enter the workforce, explore the rights of workers and traits of |

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| | effective employees, and address the importance of professionalism and responsibility as careers change and evolve. |
| Careers in Allied Health | Careers in Allied Health is a course that focuses on select allied health careers, studying a variety of different levels, responsibilities, settings, education needs and amounts of patient contact. Within each job type, students explore important aspects applicable to the entire field of allied health, such as behaving ethically, working as a team, keeping patients safe and free from infections and germs, honoring diverse needs of diverse patients, and following laws and policies. |
| Careers in Criminal Justice | 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. |
| Careers in Logistics Planning and Management Services | Careers in Logistics Planning and Management Services is a course that provides high school students with the history of logistics and recent advances in the field. The objectives of this course are to introduce the student to the field of logistics planning and management and to explain the career opportunities that are available in this field. |
| Careers in Marketing Research | Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. Careers in Marketing Research is a course that provides information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. |
| Chemistry A/B | This course engages students in the study of the composition, properties, changes, and interactions of matter. The components of this course include chemistry and its methods, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world. |
| Chinese 1 A/B | Students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each Unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. |
| Chinese 2 A/B | Students continue their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each Unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing |

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| | activities, and multimedia cultural presentations covering major Chinese-speaking countries. |
| Chinese I A/B | Students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. |
| Chinese II A/B | Students continue their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries. |
| Computer Applications: Office® 2019/Office365 | This two-semester course introduces students to the features and functionality of Microsoft® Office® 2019. Through video instruction, interactive skills demonstrations, practice assignments, and unit level assessments, students become proficient in Microsoft Word®, Excel®, Outlook®, and PowerPoint®. |
| Computer Maintenance 1A/B | In this course, you'll dig into computer networks and their extensive capabilities. You'll explore data exposure and how to mitigate threats, discuss the fundamentals of network design and layout, learn how cloud-based services store data, discover the differences between wired and wireless networks, and dream of possibilities as you explore fun network options like smart home systems. |
| Computer Science Principles | Computers are key to many aspects of daily life and many careers. Students will explore the foundations of computer science using videos, hands-on activities, programming, investigations, and projects. They will learn how computers work and how they communicate to form networks. They will experience much of what computer programmers do in planning, developing, testing, and refining software. Students will explore the need to design accessible software and how that can be accomplished. Security is a key topic, and students will learn techniques for recognizing and guarding against security threats. Every unit has two to three projects, giving students the opportunity to not only write programs, but also to develop security policies, analyze real-world data, solve network problems, plan a mobile app, and more. They will learn valuable skills working in teams. Interwoven throughout the course are spotlights on a wide variety of careers and roles in computer science. |
| Concepts in Probability & Statistics A/B | This course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra I and Pre-Calculus. It begins with an in-depth study of probability, with a focus on conceptual understanding and then moves into an exploration of sampling and comparing populations, data |

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| | distributions and data analysis including how to summarize data sets with a variety of statistics, create and analyze scatterplots and begin a basic study of regression. Then they study two-way tables and normal distributions, learning about powerful applications such as hypothesis testing, conditional probability, combinations and permutations, and sets. |
| Concepts of Engineering & Technology | Through Concepts of Engineering and Technology, you'll explore 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). |
| Construction Careers | Construction Careers introduces students to the basics of construction, building systems, engineering principles, urban planning, and sustainability. Students learn the key techniques in building all types of buildings, as well as the key individuals involved in each step of the process, explore regulatory agencies and explore guidelines established for protecting not only construction workers but also the occupants of a building. |
| Contemporary Health | This course examines and analyzes various health topics where it places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, healthy nutrition, physical fitness, relationships, and mental health in the context of the importance of creating a healthy lifestyle. The Contemporary Health course does cover sensitive topics such as sexual intercourse, contraception, sex and gender, pregnancy, sexual harassment, physical violence, emotional abuse, sexually transmitted infections, harassment, bullying, and substance use and abuse. |
| Corrections, Policies, and Procedures | Corrections is one of the three branches of the Criminal Justice System (CJS) in the United States where corrections facilities and programs are run by a complex system of policies and procedures, which uphold local, state, and federal laws. In this course duties, responsibilities, conduct, training, and special certification possibilities for corrections staff are explored. |
| Cosmetology 1: Cutting Edge Styles | In Cosmetology: Cutting Edge Styles, you will learn all about how cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently. |
| Cosmetology 2: The Business of Skin & Nail Care | Explore what the day-to-day life of a cosmetologist is like, and discover that cosmetology is much more than knowing and applying techniques. Learn skin care and facials, how to give manicures and pedicures, how to apply artificial nails, and gain an understanding of different hair removal techniques as you discover the next steps towards launching a career in cosmetology. |
| Creative Writing | This course can provide you with a solid grounding in the writing process, from finding inspiration to building a basic story. Then, when you are ready to go beyond the basics, learn more complicated literary techniques to create strange hybrid forms of poetry and prose, as you better discover your creative thoughts and turn those ideas into fully realized pieces of creative writing. |

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| Criminology: Inside the Criminal Mind | In Criminology: Inside the Criminal Mind, you will examine the ideas and motivations of the mental state of a criminal that can be affected by many different aspects of life—psychological, biological, sociological—all of which have differing perspectives and influences. You will investigate not only how these variables affect the criminal mind but also how the criminal justice system remains committed to upholding the law through diligence and an uncompromising process. |
| Culinary Arts I A/B | In this course you will learn the fundamentals of a working kitchen, and explore what it takes to develop real talent as a chef as you enhance your knowledge of the endless varieties of food, and discover the possibilities that the many spices can bring. |
| Cybersecurity I A/B | In this course you'll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Learn to avoid the various types of cyber attacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. |
| Digital Media Web Design 2A/B | Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options. |
| Digital Photography I A/B: Creating Images with Impact! | Digital Photography I: Creating Images with Impact! will help you understand more about the basics of photography. Learning about aperture, shutter speed, lighting, and composition is key for any serious photographer and will help you gain the confidence and knowledge you need to become one. You will not only follow photography through its history but also gain a basic understanding of camera functions, techniques and what it takes to shoot quality portraits, close-ups, action shots, and landscapes. |
| Digital Photography II: Discovering Your Creative Potential | In Digital Photography II: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. |
| Early Childhood Education I A/B | In Early Childhood Education, you will learn how to create interesting lessons and stimulating learning environments that provide a safe and encouraging experience for children. Discover how to get children excited about learning and, just as importantly, to feel confident about their abilities. |
| Earth & Space Science A/B | Students enrolled in this dynamic course will explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces and climate changes that have shaped and changed our planet. Earth Science will provide a solid foundation for understanding the physical characteristics that make the planet Earth unique and will examine how these characteristics differ among the planets of our solar system. |
| Economics | This course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and |

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| | the characteristics of mixed-market economies, the role of government in a free enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical thinking skills while making practical economic choices and master literacy skills through rigorous reading and writing activities. |
| Engineering and Design | This course focuses on building real-world problem-solving and critical-thinking skills as students learn how to innovate and design new products and improve existing products. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues. |
| Engineering and Product Development | This course provides an overview of the concepts of product engineering and development as students analyze the life cycle of a product to prepare a product for distribution and for target markets. In addition, the course provides information about the different careers available to students interested in engineering, product development, and project management. |
| English Language Arts 6 A/B | Students learn to read critically, analyze texts, and cite evidence to support ideas as they read essential parts of literary and informational texts. Vocabulary, grammar, and listening skills are sharpened through lessons that give students explicit modeling and ample practice as they engage in routine, responsive writing based on texts they have read. In extensive, process-based writing lessons, students write topical essays in narrative, informative, analytical, and argumentative formats. |
| English Language Arts 7 A/B | With engaging literary and informational texts, students learn to think critically, analyze an author's language, and cite evidence to support ideas from stories, poetry, and nonfiction. In extensive, process-based writing lessons, students write topical essays in narrative, informative, analytical, and argumentative formats. |
| English Language Arts 8 A/B | A balance of literary and informational text engages students throughout the course in reading critically, analyzing texts, and citing evidence to support claims. Students sharpen their vocabulary, grammar, and listening skills through lessons designed to provide explicit modeling and ample opportunities to practice. Students also routinely write responses to texts they have read, and use more extensive, process-based lessons to produce full-length essays in narrative, informative, analytical, and argumentative formats. |
| English Language Arts I A/B | This English course invites students to engage in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. |
| English Language Arts I Honors A/B | This honors English course invites students to explore a variety of diverse and complex texts where students will engage in literary analysis and inferential evaluation of great texts, both classic and contemporary. In addition to activities offered to students in core courses, honors students are given additional opportunities to create and to |

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| | participate in project-based learning activities, including writing a Shakespearian sonnet and creating an original interpretation of a Shakespearian play. |
| English Language Arts II A/B | This English course invites students to explore reading fiction, poetry, drama, and expository nonfiction, learn essential reading comprehension strategies and engage in literary analysis and evaluation of both classic and contemporary works. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their listening and speaking skills and produce clear, coherent writing. |
| English Language Arts II Honors A/B | This English course provides engaging and rigorous lessons with a focus on academic inquiry to strengthen knowledge, require analyzing complex texts, while advancing writing and research skills to craft strong, compelling essays and projects. Students will write argumentative and analytical essays based on literary texts, as well as an informative research paper using MLA style. |
| English Language Arts III A/B | This English course invites students to delve into American literature, from early American Indian voices through thoughtful contemporary works where students will engage in literary analysis and inferential evaluation of great texts. While critically reading fiction, poetry, drama, and expository nonfiction, students will master comprehension and literary-analysis strategies, strengthen their oral language skills, and produce creative, coherent writing. |
| English Language Arts III Honors A/B | This honors English course invites students to delve into American literature from early American Indian voices through contemporary works where students will engage in literary analysis and inferential evaluation of great texts. While critically reading fiction, poetry, drama, and expository nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Interwoven throughout the lessons are activities that encourage students to strengthen their oral language skills, research and critically analyze sources of information, and produce clear, coherent writing. |
| English Language Arts IV A/B | This English course invites you to explore a diverse collection of texts organized into thematic units where you will engage in literary analysis and inferential evaluation of both classic and contemporary literature. While critically reading fiction, poetry, drama, and expository nonfiction, you will learn comprehension and literary-analysis strategies. Tasks will encourage you to strengthen your oral language skills and produce creative, coherent writing. |
| English Language Arts IV Honors A/B | This honors English course invites students to delve into British literature, from ancient texts through contemporary works. Students will engage in a variety of rigorous lessons with a focus on academic inquiry, literary analysis, and inferential evaluation, while critically reading fiction, poetry, drama, and expository nonfiction, to master comprehension, use evidence to conduct in-depth literary analysis, examine and critique how authors develop ideas in a variety of genres, and synthesize ideas across multiple texts. In addition to activities offered to students in core courses, honors students are given additional opportunities to create and participate in project-based learning activities. |

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| Environmental Science A/B | Environmental science lessons cover many different aspects of the field: ecology, the biosphere, land, forests, soil, water, energy, resources, societies, and policy. Through unique activities and material, students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery throughout the semester. |
| EOC Algebra I | This course provides students with the opportunity to prepare to successfully complete the Algebra I End-of-Course assessment and ends with a diagnostic posttest to ensure mastery of skills. The course will provide a thorough review of all target skills in the areas of data analysis, linear and nonlinear relationships, algebraic functions, and mathematical reasoning. |
| EOC Algebra II | This course provides students with the opportunity to prepare to successfully complete the Algebra II End-of-Course assessment and ends with a diagnostic posttest to ensure mastery of skills. The course will provide a thorough review of all target skills in the areas of algebra and modeling, complex numbers, quadratics, statistics and probability, rational, radical, exponential, and logarithmic functions. |
| EOC American History | This course provides students with the opportunity to prepare to successfully complete the End of Course American History exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| EOC Biology | This course provides students with the opportunity to prepare to successfully complete the End of Course Biology exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| EOC English Language Arts 10 | This course provides students with the opportunity to prepare to successfully complete the End of Course English Language Arts 10 exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| EOC English Language Arts 9 | This course provides students with the opportunity to prepare to successfully complete the End of Course English Language Arts 9 exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| EOC Geometry | This course provides students with the opportunity to prepare to successfully complete the End of Course Geometry exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| EOC Government | This course provides students with the opportunity to prepare to successfully complete the End of Course Government exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| EOC Physical Science | This course provides students with the opportunity to prepare to successfully complete the End of Course Physical Science exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| Expository Reading and Writing A/B | This elective English course is designed to develop critical reading and writing skills while preparing students to meet the demands of college-level work. While students will explore some critical reading skills in fiction and poetry, the focus of this course will be on expository and persuasive texts and the analytical reading skills that are necessary for college success. |

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| Family and Community Services | Family and Community Services is a course that introduces applications within professions related to family and community services to develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. Students identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. |
| Fashion Design | Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating! |
| Financial Math A/B | Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions. |
| Fire & Emergency Services | Emergency and fire-management services are essential infrastructure components of a community and this course provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. Students gain an understanding of the goals of an emergency-management service and how they are implemented and managed, including personnel, budget, and labor-management challenges in the organization. |
| Food Products and Processing Systems | This course explores the history and evolution of food products, along with the processing methods that have arisen to feed an ever-growing world population. Students study specifics in a wide spectrum of food product topics, from early methods of preservation to technological advancements in packaging, regulations in labeling, marketing trends, and learn industry terminology in each area of the overall system, from “farm to fork” to vertical integration to smart packaging. |
| Food Safety and Sanitation | This course covers the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests and customers. After successful completion of this course, students are prepared to meet the requirements of state and national certification exams. |
| Forensic Science I: Secrets of the Dead | This course offers you the chance to dive into the riveting job of crime scene analysis as you learn the techniques and practices applied during a crime scene investigation and how clues and data are recorded and preserved. You will better understand how forensic science applies technology to make discoveries and bring criminals to justice as |

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| | you follow the entire forensic process—from pursuing the evidence trail to taking the findings to trial. |
| Forensic Science II: More Secrets of the Dead | In Forensic Science II: More Secrets of the Dead, you'll learn some basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology and find out how scientists use everything from insects to bones to help them solve crimes. Discover how advanced techniques and methodical processes can lead to catching even the craftiest criminal. |
| Forensics: Using Science to Solve a Mystery | Forensics: Using Science to Solve a Mystery is a course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Projects in this course include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. |
| Forestry & Natural Resources | Trees uphold a great deal of our wildlife's ecosystem while providing humans with needed lumber, paper products, and even food, but these forests cannot protect themselves and depend greatly on humans for conservation. In Forestry and Natural Resources, you will learn more about how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. |
| Foundations of Personal Wellness A/B | Exploring a combination of health and fitness concepts, Foundations of Personal Wellness is a comprehensive and cohesive course that explores all aspects of wellness. This course uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle. |
| French 1 A/B | Students begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe. |
| French 2 A/B | Students continue their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe. |
| French I A/B | Students begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters. The course represents an ideal blend of language learning pedagogy and online learning. Each week consists of an ongoing |

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| | <p>adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).</p> |
| French II A/B | <p>Students continue their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas across the globe, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).</p> |
| French III A/B | <p>In this expanding engagement with French, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French, and respond orally or in writing to these works. Each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas.</p> |
| Fundamentals of Computer Systems | <p>Fundamentals of Computer Systems is a course that provides students with an understanding of computers and computer systems and how they operate as well as a basic understanding of how to manage. These skills provide students with the ability to configure computers and solve computer problems, learn details about the different elements of computers and computer systems, how to identify hardware devices and their functions, the role of operating systems as well as how to install and customize Windows operating system while learning the basics of customer service and working as a help desk support technician.</p> |
| Fundamentals of Digital Media | <p>Fundamentals of Digital Media is a course that examines the impact that digital media has on culture and lifestyle as well as review the ethics and laws that surround digital media use or creation. Students learn about the tools used as well as best practices employed for creating digital media and explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies.</p> |
| Fundamentals of Programming and | <p>This course provides students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations.</p> |

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| Software Development | Students learn details about core concepts in programming using Java, writing and debugging code, proper syntax, flow of control, order of operations, comparison operators, program logic tools and models, the function of key program techniques including if statements, looping, and arrays, as well as web development using HTML and drag and-drop development of user interfaces in an integrated development environment. Students explore the software development life cycle and different variations used to create software. |
| Game Design I A/B | You will learn about video game software and hardware, various gaming platforms, necessary technical skills, troubleshooting and internet safety techniques, and you'll even have the opportunity to create your very own plan for a 2D video game! Explore various video game software and hardware, sharpen your coding skills, learn about game storylines, player progression, and algorithmic decision making, analyze player goals, actions, rewards, and challenges, among many other game play components. |
| GED® | This test preparation course effectively prepares students for all sections of the GED exam. Course content is broken up into strands, allowing students to focus on each subject extensively before moving onto the next area of study. Introduction information is included on the structure of the GED exam and test-taking strategies, in order to familiarize students with the exam's content. |
| Geometry A/B | Based on plane Euclidean geometry, this course addresses the critical areas of congruence, proof, constructions, similarity and trigonometry, circles, three-dimensional figures, and probability of compound events. Throughout the course, students investigate properties of figures, make conjectures, and prove theorems. Students demonstrate their reasoning by completing proofs in a variety of formats. |
| Geometry Honors A/B | Based on plane Euclidean geometry, this course addresses the critical areas of congruence, proof, constructions, similarity and trigonometry, circles, three-dimensional figures, and probability of compound events. Throughout the course, students investigate properties of figures, make conjectures, and prove theorems. Students demonstrate their reasoning by completing proofs in a variety of formats. |
| German 1 A/B | Students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major German-speaking areas in Europe. |
| German 2 A/B | Students continue their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major German-speaking areas in Europe. |

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| German I A/B | Students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major German-speaking areas in Europe. |
| German II A/B | Students continue their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major German-speaking areas in Europe. |
| Gothic Literature: Monster Stories | Gothic Literature: Monster Stories focuses on the major themes found in Gothic literature and demonstrates the techniques writers use to produce a thrilling psychological experience for the reader. The themes of terror versus horror, the power of the supernatural, and the struggle between good and evil are just a few of the classic Gothic subjects explored in this course. |
| Grade 6 World History A/B | Students enrolled in this course will investigate the development of medieval societies, the effects of the Renaissance and the Reformation, the progress made during different periods of revolution, industrialization, urbanization, and reform. Over the course of two semesters, students will analyze effects of political conflicts and social issues on the continuing development and interdependence among nations in the modern world. |
| Grade 7 World Geography A/B | Comprehensive and organized by region, this course has students explore human diversity as they analyze population and settlement patterns and evaluate the ways that human activities modify the physical environment. While studying humans around the world, students compare development, standards of living, systems of government, and economic factors across the globe as students gain a rich understanding of global cultures and the historical factors that have shaped the world around them. |
| Grade 8 U.S. History A/B | This course surveys the major events and turning points of US history as it moves from the era of exploration through modern times as they explore the geography of the nation and world, assess the foundations of US democracy while examining crucial documents, examine the effects of territorial expansion, study the Civil War, explore the rise of industrialization as they assess the outcomes of economic trends, and make connections between culture and government. Students will focus their studies on the causes of cultural and political change in the modern age and learn the importance of cultural diversity while examining history from different perspectives. |
| Great Minds in Science: Ideas for a New Generation | Today, scientists, explorers, and writers are working to answer questions by using extensive inquiry to find innovative solutions. Similar to such famous minds from history as Edison, Einstein, Curie, and Newton, the scientists of today are finding ways to revolutionize our lives and the world and Great Minds in Science: Ideas for a New Generation takes an in-depth look at the extraordinary work of these individuals and demonstrates how their ideas may very well shape the world of tomorrow. |

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| <p>Health Science Concepts A/B</p> | <p>This yearlong course introduces students to the fundamental concepts of anatomy and physiology—including the organization of the body, cellular functions, and the chemistry of life. Students will learn about the major body systems, common diseases and disorders, the career specialties associated with each system, investigate basic medical terminology as well as human reproduction and development, and be introduced to fundamental health science concepts through direct instruction, interactive tasks, and practice assignments.</p> |
| <p>Health, Safety, Ethics in the Health Environment</p> | <p>Health, Safety, and Ethics in the Health Environment is a course that focuses on healthcare safety, health maintenance practices, environmental safety processes and procedures, and ethical and legal responsibilities. It also reinforces, expands, and enhances biology content specific to diseases and disorders as students develop basic technical skills required for all health career specialties including understanding occupational safety techniques and obtaining their CPR and First Aid certifications.</p> |
| <p>Healthy Living</p> | <p>Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this course provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. Designed for students, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks.</p> |
| <p>HiSET®</p> | <p>This test preparation course effectively prepares students for all sections of the High School Equivalency Test, or HiSET as course content is broken into strands, allowing students to focus on each subject extensively before moving onto the next area of study. A diagnostic assessment at the beginning of each strand is used to target areas of opportunity. and a post-test at the end of each strand ensures that students master the content.</p> |
| <p>History of the Holocaust</p> | <p>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.</p> |
| <p>Hospitality & Tourism I: Traveling the Globe</p> | <p>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.</p> |
| <p>Hospitality & Tourism II A/B</p> | <p>Learn about what makes the hotel and restaurant industries unique by looking at day-to-day operations, evaluate the environment for these businesses by examining their customers and their competition, explore how to create menus, advertise vacancies, perform interviews, and understand the financials of the hotel or restaurant., and discover trends and technology that makes each industry exciting and innovative. Learn</p> |

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| | about different management styles, laws, and regulations that govern hotels and restaurants as well as how to develop job descriptions and business plans. |
| Hotel Management I A/B | In this course, you will learn about the business of hospitality and the different types of hotel ownership and programs. You'll explore the essential functions of a hotel from bookings, management systems, front and back of house operations, technologies, and more. You'll discover what it takes to keep guests happy and run a sustainable program. |
| Human Resource Management 1 A/B | In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more! |
| Interior Design | Do you have a flare for designing and decorating? If so, this course will show you how to turn your interests and skills into a career. From professionals who own their own business to those working within a larger company, interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily. You'll learn about color, texture, trends and styles over time, how homes are built, and “green” options for homes and businesses. Most importantly, you'll learn how to work with a client to meet their unique needs and style requirements. This course will help you to identify parts of interior design that are most interesting to you, helping you to chart the path for your future. |
| International Business: Global Commerce in the 21st Century | International Business: Global Commerce in the 21st Century will demonstrate just how you can gain the knowledge, skills, and appreciation to live and work in the global marketplace. You will begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of a global business in the 21st century. |
| Introduction to Agriculture, Food, and Natural Resources | This course introduces students to the basic scientific principles of agriculture and natural resources as students recognize and research plant systems, animal systems, government policy, “green” technologies, agribusiness principles, and sustainability systems. Students also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. |
| Introduction to Art A/B | Introduction to Art encourages students to gain an understanding and appreciation of art and provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Students explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400. |
| Introduction to Business A/B | In this course, students will learn the principles of business using real world examples—learning what it takes to plan and launch a product or service in today's fast-paced business environment. This course covers an introduction to economics, costs and profit, different business types where students are introduced to techniques for |

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| | managing money, personally and as a business, taxes and credit, the basics of financing a business, how a business relates to society both locally and globally, how to identify a business opportunity, and techniques for planning, executing, and marketing a business to respond to that opportunity. |
| Introduction to Careers in Architecture and Construction | This course provides an overview of rapidly evolving career clusters comprised of three pathways (fields): Design and Pre-Construction (Architecture and Engineering); Construction (Construction and Extraction); and Maintenance and Operations (Installation, Maintenance, and Repair). The Architecture and Construction career cluster is defined as careers in building, designing, managing, maintaining, and planning the built environment that encompasses all zones of human activity—from natural conservation areas with minimal human intervention to highly dense areas with tall skyscrapers and intricate highway systems to suburban cul-de-sacs. |
| Introduction to Careers in Education and Training | Introduction to Careers in Education and Training is a course that introduces students to the field of education and the opportunities available for early-childhood through adult and continuing education. Students learn about the evolution of the modern educational system in the United States, the policies and laws that govern educational institutions, and discover the similarities and differences between the ethical and legal obligations of working with adults versus working with children. |
| Introduction to Careers in Finance | Introduction to Careers in Finance is a course that provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. Course units address a broad set of services in the industry including finance overview, financial services, securities analysis, investments, principles of corporate finance, banking services, risk management, and insurance. |
| Introduction to Careers in Government and Public Administration | This course provides students with an overview of American politics and public administration, including how political institutions and public management systems at the local, state, and federal levels exercise supervisory authority and maintain accountability. Students also learn about policy making in American government, including discussions of foreign and defense policies. |
| Introduction to Careers in Health Sciences | This semester-long course is an overview of health careers and overriding principles central to all health professions. The course provides a foundation for further study in the field of health science. |
| Introduction to Careers in Transportation, Distribution, & Logistics | Students undertake an overview of the fields of transportation, distribution, and logistics, learning the differences between the fields and the primary services provided in each, learn how warehousing, inventory, and other associated businesses impact the economy, which includes the advantages and disadvantages of automation on employment. Lastly, the role of technology and technological development on transportation-related businesses is addressed. |

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| <p>Introduction to Communications & Speech A/B</p> | <p>Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches in the course.</p> |
| <p>Introduction to Computer Science</p> | <p>This full-year course is designed for students in grades 9–10, although any students across grades 9–12 may enroll. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can affect the world. Students have creative, hands-on learning opportunities to create computer programs, develop web pages, design mobile apps, write algorithms, and collaborate with peers while building strong foundational knowledge. This course provides a solid foundation for more advanced study as well as practical skills that students can use immediately.</p> |
| <p>Introduction to Consumer Services</p> | <p>In this course, students analyze various career paths in terms of employment opportunities and educational requirements, such as hard and soft skills, certifications, and licensures for different pathways. This course is designed as an overview to prepare students for a consumer services related career and to introduce them to specialty areas with an emphasis placed on the human services aspect (vs. corporate concerns) of consumer services, gain knowledge of current issues affecting various consumer services professions, and the impact of local, state, national and global issues on consumer services.</p> |
| <p>Introduction to Human Growth and Development</p> | <p>This course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. The course provides a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief while giving the student perspective and highlights where people in the caring professions are most needed.</p> |
| <p>Introduction to Human Services</p> | <p>This course introduces students to the possibilities for careers in the human services professions as they learn about ethics and philosophies of the helping professions. The history of the profession, as well as the impact of the cultural, social, and economic environment on individual people, especially those who need social services assistance, is also explored.</p> |
| <p>Introduction to Information Technology</p> | <p>This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT), where students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology, emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.</p> |

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| Introduction to Information Technology Support & Services | This course focuses on real-world application, including common industry best practices and specific vendors that offer tools for technicians, project managers, and IT leadership. Students apply their knowledge of hardware and software components associated with IT systems while exploring a variety of careers related to IT support and services, analyze technical support needs to perform customer service and configuration management activities, and evaluate application software packages and emerging software. |
| Introduction to Law, Public Safety, Corrections, & Security | In this course, students learn about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security. Students also learn how these careers are affected by and affect local, state, and federal laws as well as the relationships between professionals in these fields and how collaborations between professionals in these careers help to create a safer, more stable society. |
| Introduction to Manufacturing Product Design & Innovation | 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! |
| Introduction to Military Careers | 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. |
| Introduction to Network Systems | This course introduces students to the fundamental technology and concepts that make networking systems possible and the most important concept introduced is that of the OSI reference model and its bottom four layers, which are most directly concerned with networking instead of computing. The course explores the software and hardware supporting LANs, WANs, and Wi-Fi networks. Students are introduced to the protocols in the TCP/IP stack that are used to communicate across a network, and to networking hardware, including hubs, switches, bridges, routers, and transmission media. |
| Introduction to Philosophy: The Big Picture | Introduction to Philosophy: The Big Picture asks some of the same thought provoking questions 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. |
| Introduction to Social Media | 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. |

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| Introduction to STEM | This course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM as they are exposed to several computer applications used to analyze and present technical or scientific information. |
| Journalism I: Investigating the Truth A/B | In Journalism: Investigating the Truth you will learn how to write a lead that really “grabs” your readers, interview sources effectively, and write engaging news stories. You will explore the history of journalism and see how the modern world of social media can provide an excellent platform for news. |
| Keyboarding and Applications | Keyboarding and Applications is a course where students learn keyboarding skills, technical skills, effective communication skills, productive work habits, proper keyboarding techniques, gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, students apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations. |
| Latin 1 A/B | Students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. |
| Latin 2 A/B | Students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. |
| Latin I A/B | Students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. |
| Latin II A/B | Students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing |

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| | activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. |
| Law & Order: Introduction to Legal Studies | In Law and Order: Introduction to Legal Studies, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all. |
| Law Enforcement Field Services | This course introduces students to the field of law enforcement and the local, county, state, and federal laws that law enforcement personnel are sworn to uphold. Finally, students learn about the types of crime that are commonly committed and the procedures, evidence collection techniques, and technological advances that law enforcement personnel use to investigate crimes. |
| Legal Admin Specialist 1 A/B | A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin. |
| Legal Services | Legal Services is a course that provides students with an overview of the system of laws in the United States, the practice areas, and career options in the field. Students learn about how the legal system operates, constitutional rights and legal safeguards, types of evidence, how technology changed the practice of law, the consequences to those who commit crimes, and how disputes are settled, as well as how criminal and civil cases reach court and are resolved. Students learn about the courtroom and the basics of a typical court case. |
| Lifetime Fitness | Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, Lifetime Fitness equips students with the skills they need to achieve lifetime fitness. Throughout this course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition to encourage students to design fitness programs to meet their individual fitness goals. |
| Literacy & Comprehension I A/B | Literacy and Comprehension I is an intervention course designed to support the development of strategic reading and writing skills using a thematic and contemporary approach, including high-interest topics to motivate students and expose them to effective instructional principles using diverse content area and real-world texts. This course challenges students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. |
| Literacy & Comprehension II A/B | This is a reading intervention course, that works in conjunction with Literacy and Comprehension I, offering high-interest topics to motivate students who are reading two to three levels below grade to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real- |

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| | world texts. Students gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. |
| Management 1 A/B | Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study. |
| MAP Grade 8 Science | This course provides students with the opportunity to prepare to successfully complete the End of Course Biology exam. Practice tests modeled after the exams are used to diagnose and target areas of opportunity. |
| Marine Science I A/B | In Marine Science you will begin to better understand the aquatic cycles, structures, and processes that generate and sustain life in the sea as you use scientific inquiry, research, measurement, and problem solving to conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science. You will also have the opportunity to use technology and laboratory instruments in an academic setting. |
| Marketing 2A/B | Can you think of a brand that first launched in the U.S. and then became popular in other countries? Facebook™ did this very thing! Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. Discover how business and marketing works around the world. You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more. |
| Marketing and Sales for Tourism and Hospitality | This course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students are introduced to marketing theory and application of the basic principles of marketing, the relationship between marketing and other functions such as advertising, sales techniques, and public relations to maximize profits in a hospitality organization is addressed. |
| Marketing Foundations 1 A/B | Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business. |
| Mathematical Models with Applications A/B | Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment loan models. |
| Mathematics 6 A/B | This Mathematics 6 course is fully aligned to state standards. |

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| Mathematics 7 A/B | This Mathematics 7 course is fully aligned to state standards. |
| Mathematics 8 A/B | This Mathematics 8 course is fully aligned to state standards. |
| Mathematics I A/B | The course covers relationships between quantities, building from unit conversion to a study of expressions, equations, and inequalities. Students contrast linear and exponential relationships, including a study of sequences, as well as applications such as growth and decay, review one-, two-, and multi-step equations, formally reasoning about each step using properties of equality, and extend this reasoning to systems of linear equations. Students use descriptive statistics to analyze data before turning their attention to transformations and congruency theorems. |
| Mathematics II A/B | This course focuses on the extension of the number system where students evaluate functions, touch on exponential functions, explore the operations of polynomials, and factor polynomials using various methods. The course continues with quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships. Students also explore the link between probability and data through conditional probability, two-way tables, and counting methods. Finally, this course challenges students to make connections between algebra and geometry as they study similarity, right triangle trigonometry and proofs, as well as circles with and without coordinates, and use coordinates to prove simple geometric theorems algebraically as well as analyze two- and three- dimensional figures. |
| Mathematics III A/B | Students relate visual displays and summary statistics to various types of data and to probability distributions with a focus on drawing conclusions from the data, embark on an in-depth study of polynomial, rational, and radical functions, drawing on concepts of integers and number properties to understand polynomial operations and the combination of functions through operations, expand the study of right-triangle trigonometry to include non-right triangles, developing the Laws of Sines and Cosines, and model an array of real-world situations with all the types of functions they have studied, including work with logarithms to solve exponential equations. |
| Medical Assistant 1 A/B | It takes a strong team to offer top-notch patient care, and each team member plays in integral role. Are you a team player interested in coordinating patient care? Then a career as a medical assistant may be right for you! In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and explore office roles while building a professional portfolio. |
| Medical Office Administration 1A/B | In this course, you will build your knowledge of medical terminology, medical office processes, the technology that keeps an office humming, and the laws that keep it operating ethically. You'll also explore different office roles all while building the beginnings of a portfolio. |
| Medical Terminology | This course introduces students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of |

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| | <p>medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology.</p> |
| <p>Middle School 2D Studio Art A/B</p> | <p>In 2D Studio Art, you'll learn how to bring your art visions to life as you learn design elements and principles needed to create a work of art, explore your artistic inspirations, travel back in time to look at art in different cultures, and gain insight about the art of critiquing.</p> |
| <p>Middle School Coding A/B</p> | <p>In Middle School Coding, you will learn all about the technology you use in your day-to-day life as well as explore how the internet functions, discover how to create and build your very own website using HTML and CSS, become familiar with programming languages like JavaScript and Python Programming. You will leave the course with your very own portfolio of work that will showcase your skills and all that you've created from the learned knowledge of programming languages and web development after having explored Advanced Python, HTML, and JavaScript.</p> |
| <p>Middle School Digital Art & Design A/B</p> | <p>In Digital Art and Design, you'll enjoy a deeper understanding and appreciation for all things digital as you explore this special genre of art found in everything from advertising to animation to photography and beyond. In this course, you'll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society.</p> |
| <p>Middle School Exploring Music A/B</p> | <p>In Exploring Music, you will explore important elements of music like rhythm, pitch, and harmony, as well as different musical genres. You will discover more about your singing voice and musical instruments and composition while taking in the history and culture of music over the years.</p> |
| <p>Middle School Game Design A/B</p> | <p>In Middle School Game Design 1, you will explore the design and creative process involved in game creation, learn block-based programs, and experiment with character and story development process, add component pieces to a game while learning to prototype, troubleshoot, and test. Additionally, exploring how to critique a game and advertise will strengthen the student's ability to create a fully functioning game from start to finish.</p> |
| <p>Middle School Journalism A/B</p> | <p>In Middle School Journalism: Tell Your Story, you'll learn how ask the right questions, look for the details, and find the story in any situation. You'll learn how to gather information effectively, organize ideas, format stories for media production, and edit your articles.</p> |
| <p>Middle School Photography A/B</p> | <p>In Middle School Photography: Drawing with Light, you'll learn how to take those excellent, jaw-dropping photographs that you see in magazines and on your favorite social media sites. You'll learn the basics of using a camera and how to avoid common photography mistakes to take photos that will amaze your friends and have them wondering how you do it!</p> |
| <p>Modern World History A/B</p> | <p>This course examines the major events and turning points of world history from the Enlightenment to the present as students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas through exploring the economic, political, and social revolutions that have transformed human history. This study of modern history examines recurring themes, such as social</p> |

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| | history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. |
| Music Appreciation | Music Appreciation: The Enjoyment of Listening not only will provide a historical perspective on music from the Middle Ages to the 21st century, but it will also teach you the essentials of how to listen and really hear (with a knowledgeable ear) the different music that's all around you. |
| Mythology & Folklore: Legendary Tales | Mythology and Folklore: Legendary Tales will illustrate how famous anecdotes have helped humans make sense of the world. You'll explore the universality of mythology and different types of folklore, journey with age-old heroes as they slay dragons, outwit gods, defy fate, fight endless battles, and outwit clever monsters with strength and courage. |
| National Security | In National Security, you will learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. |
| Network System Design | Network System Design is a course that provides students with an understanding of computer networks, how they operate, how to manage and maintain computer networks, and the basics of network design, including how to identify network requirements and determine proper network architecture. Students also learn about internet protocol and the basics of routing data on a network, network security issues, network management, and network operating systems and their role in connecting computers and facilitating communications. |
| New Applications: Web Development in the 21st Century | New Applications is a survey course that travels from the first software programs developed to facilitate communication on the Internet, to the new generation of mobile and native apps that access the Internet without a reliance on a web browser. New Applications is also a practical course in how to develop a presence on the World Wide Web using WordPress and other available web application tools. |
| Nursing Assistant A/B | This course prepares students to provide and assist with all aspects of activities of daily living and nursing care for the adult patient in hospital, long-term care, and home settings such as the basics of nurse assisting, including interpersonal skills, medical terminology, care procedures, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, emergency skills, and employability skills. Successful completion of this course from an approved program prepares the student for state certification for employment as a Nursing Assistant. |
| Nursing: Unlimited Possibilities and Unlimited Potential | Nursing: Unlimited Possibilities and Unlimited Potential provides high school students opportunities to compare and contrast the various academic and clinical training pathways to an entry-level position in nursing and to explore the growing number of opportunities for professional advancement given the proper preparation and experience. In this course, students have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand |

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| | the important changes proposed in the education and ongoing professional development of nurses. |
| Nutrition & Wellness | Keeping our physical body healthy and happy is just one of the many challenges we face, and yet, many of us don't know how to best achieve it. Positive decisions around diet and food preparation are key to this process, and you will find the essential skills needed to pursue a healthy, informed lifestyle in Nutrition and Wellness. |
| Online Learning & Digital Citizenship | In this course, students develop essential study skills for academic success, such as staying organized, managing time, taking notes, applying reading strategies, writing strong papers, researching and properly citing information. By the end of the course, students will have the tools they need to be academically successful in both traditional and digital learning environments. |
| Peer Counseling | Peer Counseling offers ways for you to better understand how it can make a difference in the lives of others by helping people achieve their personal goals and this course 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. |
| Personal Care Services | Personal Care Services introduces students to what each career entails and the education and training they need to become credentialed in the following areas: cosmetology (including hairstyling and haircutting, esthetics, manicuring, makeup, and teaching) and barbering (including cutting and styling of hair and facial hair and manicuring for men); massage therapy, teaching body-mind disciplines (yoga, Pilates, and the martial arts), and fitness (general exercise classes and acting as a personal trainer); and mortuary science (embalming and funeral directing). |
| Personal Finance | This elective prepares students to navigate personal finance with confidence of what it means to be financially responsible, engaging students in budgeting, planning, and being a smart consumer, banking, spending, investing, and other money management concepts before exploring credit and debt. Students study microeconomics and entrepreneurship, with an overview of economic systems, supply and demand, consumer behavior and incentives, and profit principles. |
| Personal Psychology 1 | Get ready to delve into some of life's biggest questions and begin the journey to uncovering those answers for yourself! In this course, you'll explore the broad scope of psychology from biology's impact on our psychological makeup to society's impact on who we become. You'll look closely at the changing and sometimes conflicting thoughts of researchers and scientists and how the field of psychology has changed. You'll also explore clinical psychology and how people find treatment. |
| Personal Psychology 2 | Enrich the quality of your life by learning to understand the actions of others! Topics include the study of memory, intelligence, emotion, health, stress and personality. This course offers exciting online psychology experiments about the world around us. |
| Pharmacy Technician A/B | This course prepares students for employment in the pharmacy technician field as students learn the basics of pharmacy assisting, including various pharmacy calculations and measurements, pharmacy law, pharmacology, medical terminology, abbreviations, |

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| | <p>medicinal drugs, sterile techniques, USP 795 and 797 standards, maintenance of inventory, patient record systems, data processing automation in the pharmacy, and employability skills.</p> |
| Physical Science A/B | <p>This full-year course focuses on traditional concepts in chemistry and physics with an overview of scientific principles and procedures, and leads students toward a clearer understanding of matter, energy, and the physical universe. As students refine and expand their understanding of physical science, they will apply their knowledge in experiments that require them to ask questions and create hypotheses, solve problems, reason abstractly, and learn to think critically.</p> |
| Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors | <p>Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors focuses on preparation for physician-level careers as it introduces the topics of diversity and the move toward social and cultural skills in medicine. Degree and training requirements, working environment, salaries, and the day in the life of that career is also covered in this course as students explore important aspects that are applicable to the entire health field, such as behaving ethically, keeping patients safe and free from infections and germs, and following laws and policies.</p> |
| Physics A/B | <p>This course focuses on traditional concepts in physics with an overview of scientific principles and procedures, leads students toward a clearer understanding of motion, energy, electricity, magnetism, and the laws that govern the physical universe. As students refine and expand their understanding of physics, they will apply their knowledge in experiments that require them to ask questions, create hypotheses, solve problems, reason abstractly, and learn to think critically.</p> |
| Planning Meetings and Special Events | <p>Planning Meetings and Special Events is a course designed as an introduction to the study of planning meetings and special events as an occupation because it is a field that is expected to grow 7% from 2018 to 2028. Planners must know how to communicate, be empathetic, and think of their clients.</p> |
| Plant Systems | <p>Careers in agronomy, horticulture, and landscape design are addressed in Plant Systems where students are introduced to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration.</p> |
| Power Structural & Technical Systems | <p>This course provides students with an understanding of the field of agriculture power and introduces them to concepts associated with producing the food and fiber required to meet today's and tomorrow's needs. Students are given the opportunity to explore agriculture machinery, as well as structures and technological concepts, learn about the historical changes in agriculture and how agriculture has changed to meet the needs of the future world population.</p> |
| Pre-Algebra A/B | <p>This course is designed for students who have completed a middle school mathematics sequence but are not yet Algebra-ready as this course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate</p> |

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| | support. By the end of the course, students are ready to begin a more formal high school Algebra I study. |
| Precalculus A/B | Designed to follow Algebra II, this course builds upon students understanding of various aspects of functions: graphing, composition, inverses, modeling, systems, and inequalities. Throughout the course students make connections between geometry and algebra as they: use graphs to solve polynomial, rational, exponential, and logarithmic inequalities; perform operations with complex numbers and vectors; use coordinate algebra to derive equations of ellipses and hyperbolas; and find limits of functions. |
| Precalculus Honors A/B | Designed to follow Algebra II Honors, this course builds upon students understanding of various aspects of functions: graphing, composition, inverses, modeling, systems, and inequalities. Throughout the course students make connections between geometry and algebra as they: use graphs to solve polynomial, rational, exponential, and logarithmic inequalities; perform operations with complex numbers and vectors; use coordinate algebra to derive equations of ellipses and hyperbolas; and find limits of functions. |
| Principles of Agriculture, Food, & Natural Resources | 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. |
| Principles of Public Service: To Serve & Protect | 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. |
| PSAT® | This course provides students with the opportunity to practice the knowledge and skills required by the Preliminary SAT in preparation to successfully complete the SAT college-entrance exam. Practice tests modeled after the PSAT exams are used to diagnose and target areas of opportunity. |
| Public Health: Discovering the Big Picture in Health Care | Public Health: Discovering the Big Picture in Health Care is a course that discusses the multiple definitions of public health and the ways these definitions are put into practice. Students explore the history, nature and context of the public health system. Students also learn how to promote public health, how to coordinate a response to a public health emergency, explore how diseases spread, and learn about the roles of the Centers for Disease Control and the World Health Organization. |
| Public Speaking A/B | 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. |
| Real World Parenting | 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 to be a positive force in the development of your future children as well as others around you. |

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| Renewable Technologies I A/B | 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. |
| Restaurant Management | 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. |
| SAT® | This course provides students with the opportunity to prepare to successfully complete the SAT college-entrance exam. Practice tests modeled after the SAT exams are used to diagnose and target areas of opportunity. |
| Science 6 A/B | This Science 6 course is fully aligned to state standards. |
| Science 7 A/B | This Science 7 course is fully aligned to state standards. |
| Science 8 A/B | This Science 8 course is fully aligned to state standards. |
| Science and Mathematics in the Real World | Science and Mathematics in the Real World is a course where students focus on how to apply scientific and mathematical concepts to the development of plans, processes, and projects that address real world problems, including sustainability and “green” technologies. This course exposes students to a wide variety of STEM applications and to real world problems from the natural sciences, technology fields, the world of sports, and emphasizes the diversity of STEM career paths. |
| Scientific Discovery and Development | Scientific Discovery and Development is a course that explores the history of clinical laboratory science, learning how clinical laboratories evolved and became professionalized, and how scientific discoveries and breakthroughs fueled the development of the laboratory while the sub-disciplines in biology were advancing. This course covers the three major areas in bioresearch: biotechnology, nanotechnology, and pharmaceutical research and development. Students learn what is necessary in the areas of education and credentialing with an idea of the job outlook and salaries. |
| Scientific Research | Scientific Research is a course that describes activities from the point of view of a professional scientist. Knowing the practical, everyday basics of scientific thinking and laboratory activity serves as a necessary first step to a career as a technician or a lab assistant. |
| Security and Protective Services | Security and Protective Services is a course that offers an overview of the security and protective services industry where students will understand different types of security services, how they relate to one another, and various career paths one could take. The course begins with an introduction to the history of private security, focusing on a |

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| | specific sector., and focuses on the emerging challenges facing security services in the twenty-first century, including international terrorism. |
| Small Business Entrepreneurship | This course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses while also learning how to develop plans for having effective business management, financing and marketing strategies. |
| Social Problems I: A World in Crisis | Social Problems I: A World in Crisis will explore some of the biggest challenges facing our world today and prepare you to tackle them head-on. You'll learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them. |
| Social Problems II: Crisis, Conflicts, & Challenges | The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives as they focus on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. |
| Sociology 1 | The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course. |
| Sociology 2 | Sociology is the study of people, social life and society. The development of a sociological imagination will enable students to examine how society shapes human actions and beliefs, and how such actions and beliefs in turn shape society. Exciting online video journeys to different areas of the sociological world are also presented in the course. |
| Software Development Tools | This course introduces students to the variety of careers related to programming and software development. Students gather and analyze customer software needs and requirements, learn core principles of programming, develop software specifications, and use appropriate reference tools to evaluate new and emerging software. |
| Spanish 1 A/B | Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each Unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. |
| Spanish 2 A/B | Students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, |

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| | and writing. Each Unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. |
| Spanish I A/B | Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. |
| Spanish II A/B | Students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course exemplifies a marriage of the best in language learning pedagogy and online learning. Each week consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments. |
| Spanish III A/B | In this expanding engagement with Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish, and respond orally or in writing to these works. Continuing the pattern, and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. |
| Sports & Entertainment Marketing | In the Sports and Entertainment Marketing course, students explore basic marketing principles, 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. |
| Statistics A/B | This course engages students in the study of statistics as the course covers statistical concepts and includes interactive activities and projects that encourage higher-order thinking skills. Major topics of study are organized into three big ideas: variation and distribution, patterns and uncertainty, and data-based predictions, decisions and conclusions that include exploring one- and two-variable data, sampling, experimentation, probability, sampling distributions, and statistical inference. |

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| STEM and Problem Solving | STEM and Problem Solving is a course that outlines how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical thinking skills to produce viable solutions to problems. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information. |
| Strategies for Academic Success | Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this course encourages students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this course covers strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques. |
| Survey of United States History A/B | This course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. Students will examine the effects of territorial expansion, the Civil War, and the rise of industrialization as they assess the outcomes of economic trends and the connections between culture and government as well as learn the importance of cultural diversity while examining history from different perspectives. |
| Sustainable Service Management for Hospitality & Tourism | This course aims to provide students with an understanding of socially, environmentally, and financially sustainable hospitality management. The course provides a sustainable approach to service management, incorporating the role of the customer, employee, leaders, and the environment. |
| Teaching and Training Careers | Teaching and Training Careers is a course that introduces students to the art and science of teaching while providing a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and high-quality. |
| Technology & Business | This course teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, computer networks, and create a variety of business documents, including complex word-processing documents, spreadsheets with charts and graphs, database files, and electronic presentations. |
| Therapeutics: The Art of Restoring and | Therapeutics: The Art of Restoring and Maintaining Wellness is a course that focuses on careers that help restore and maintain mobility and physical and mental health, such as physical therapists, physical therapy assistants, occupational therapists, athletic trainers, massage therapists, dieticians and dietetic technicians, art therapists, neurotherapists, vocational rehabilitation counselors, and registered dental hygienists. |

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| Maintaining Wellness | Each career is explored in depth, examining typical job duties, educational and licensure requirements, working conditions, average salary, and job outlook. |
| Transportation and Tours for the Traveler | Transportation and Tours for the Traveler is a course where students learn about today's package tour industry, travel industry professionals, and package tour customers as they focus on the different components that go into creating a tour to get a sense of what working for a tour operator entails as well as what other careers are available in the tour industry. Taking into account technology, world events, and increased environmental awareness, students find out who tour operators must work with to create travel products and what kinds of decisions they must make in terms of meals, lodging, attractions, and, of course, transportation. |
| Trigonometry | In this course, students use their geometry and algebra skills to begin their study of trigonometry where they will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. Students examine right triangle relationships before introducing trigonometric functions and their applications, explore angles and radian measures, circular trigonometry, and the unit circle, extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions, explore trigonometric identities and applications, work with complex numbers and the polar coordinate system, and learn about vectors and conic sections. |
| United States Government | This course provides students with a practical understanding of the principles and procedures of government by establishing the origins and founding principles of American government, investigate the development and extension of civil rights and liberties, and introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy approaches. |
| United States History II A/B | U.S. History II is a course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age and leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on the rise of the United States to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments as they draw connections between the past and the present, between cultures, and between multiple perspectives. |
| Veterinary Science: The Care of Animals | Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals to 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. |

World History II A/B

World History II is a course that examines the major events and turning points of world history through the modern age as it leads students toward a clearer understanding of the patterns, processes, cultures, civilizations and people that have shaped world history. They will study the impact of dynamic leadership, economic and political change that influences social and political movements on societal change, and the importance of modern cultural and political developments as they draw connections between the past and the present, between cultures, and between multiple perspectives.

World Religions:
Exploring Diversity

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 and how religion continues to affect the larger world.