

Missouri Course Access and Virtual School Program (MOCAP) Imagine-Edgenuity Course Description - With Instruction

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Course Name	Course Descriptions
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.
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.
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.
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.
Anatomy	Students will explore the anatomy or structure of the human body learning anatomical terminology, students will study and the main systems of the body- including integumentary, skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems. In addition to identifying the bones, muscles, and organs, students will study the structure of cells and tissues within the body.
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 I: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail to observe our movement from cave dweller to modern human. It 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.
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 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 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 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.
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.
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.
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 effective employees, and address the importance of professionalism and responsibility as careers change and evolve.
Character and Leadership Development	Character & Leadership Development empowers students to become a difference maker where they learn what it takes to hone their leadership styles and develop personal qualities that will enhance their ability to grow and sustain healthy relationships. By using critical thinking, good decision making, and hard work, students will learn what leadership looks like in a 21st century world, how new generations are adapting to lasting principles and how to influence others and take on a leadership role in their own community. Upon completion of this course, students will have a clear understanding of what it takes to have an impact on their family, friends, and peers, as well as a personal action plan of practical steps they can take to reach their goals.
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 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.
Climate and Culture Transformation	Climate & Culture Transformation is designed to teach students how to engage in healthy and safe relationships through the focuses of relationship support; social awareness; and diversity, equity and inclusion; their inner selves and what they want out of their lives and relationships, as well as take the perspective of others into consideration to build better, healthier, and more supportive environments. This course is a modern, relevant way to teach students communication skills and healthy social practices and values. It ties in the rapidly changing impacts of technology on social relationships to provide a relatable, engaging, and informative resource.

College and Career Readiness	This course introduces students to a variety of educational and vocational opportunities and helps them identify which pathway will help them reach their goals by providing instruction on skills essential for students preparing for college and/or a career, including: how to build an effective resume, how to groom and dress in the workplace, the power of networking and how to develop disciplines that lead to success. Students will develop a level of digital literacy that allows them to compete in an increasingly competitive market as they learn values, beliefs, attitude, and social awareness skills are just as important as developing academic abilities.
Computer Applications: Office [®] 2019 A/B	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 1B	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 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.

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.
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.
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 2 A/B	Explore how you can develop webpages that embed different media and interactivity forexcellent user experience through programming languages such as HTML and CSS. Examinetrends and opportunities, education requirements, student organizations, and industrycertification 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.

Drugs and Alcohol	This course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over the counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them, the difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help.
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 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.
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 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.
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.
Exercise Science	This course takes an in-depth examination of the effects of exercise on the body where students will learn basic anatomy, biomechanics, and physiology, as well as proper principles and techniques to designing an effective exercise program. The study of nutrition and human behavior will also be integrated into the course to enhance the students' comprehension of this multifaceted subject.
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.

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 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. This course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.
Fitness Basics I (Middle School)	This course provides students with a basic understanding of fitness and nutrition where students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments, set goals, develop their own fitness program, and participate in weekly physical activity.
Fitness Basics II (Middle School)	This course provides students with a basic understanding of fitness and nutrition where students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments and participate in weekly physical activity.
Fitness Fundamentals 1	This course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition as they research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy.

Fitness Fundamentals 2	This course takes a more in-depth look at the five components of physical fitness touched on in Fitness Fundamentals 1: muscular strength, endurance, cardiovascular health, flexibility, and body composition while allowing students to discover new interests as they experiment with a variety of exercises in a non- competitive atmosphere. By targeting different areas of fitness, students increase their understanding of health habits and practices and improve their overall fitness level.
Flexibility Training	This course focuses on the often-neglected fitness component of flexibility as students study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training, gain an understanding of how to apply the FITT principles to flexibility training, explore aspects of static, isometric, and dynamic stretching, as well as touch on aspects of yoga and Pilates. This course also discusses good nutrition and effective cross-training.
Food Safety and Sanitation	This comprehensive 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. The course provides a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. 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 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.

Foundations of Personal Wellness A/B	Foundations of Personal Wellness is a comprehensive and cohesive course that explores all aspects of wellness. Offered as a two-semester course designed for high school students, 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. 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 French-speaking areas in Europe and across the globe.
French II 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 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.
French III A/B	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.

Fundamentals of Programming and Software Development	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. 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.
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.
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.
Healthy Living	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.
History of the Holocaust	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.
Hospitality & Tourism I: Traveling the Globe	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.

Hospitality & Tourism II A/B	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 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!
Individual Sports	This course provides students with an overview of individual sports where students do an in-depth study of running, walking, hiking, yoga, dance, swimming, biking, and cross-training. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about the components of fitness, the FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.
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 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 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 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 Coaching	This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position as they explore various coaching models and leadership styles, sports nutrition and sports psychology, as well as safety, conditioning, and cross-training., learn effective communication, problem-solving, and decision making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics.

Introduction to Communications & Speech A/B	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.
Introduction to Computer Science	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.
Introduction to Consumer Services	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.
Introduction to Human Growth and Development	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.
Introduction to Human Services	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.
Introduction to Information Technology	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.

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 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.
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 activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.
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.
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-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.
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 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.
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 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.

Mental Health & Wellness	Mental Health & Wellness is a course designed to reinforce and empower a student's overall mental health, especially in times of crisis or trauma, help students cope with difficult situations, self-soothe, and manage conflicting emotions. They explore topics from anger management and bullying, to dealing with family challenge, the impact of diversity on our society, build a framework for citizenship, embrace the value of diversity, and learn how to appropriately use their voice to fight against injustices.
Middle School 2D Studio Art A/B	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.
Middle School Coding A/B	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.
Middle School Digital Art & Design A/B	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.
Middle School Exploring Music A/B	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.
Middle School Game Design A/B	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.
Middle School Intro to Individual Sports 1	Students learn about a variety of group sports, and an in-depth study of soccer of basketball. Students learn the history, rules, and guidelines of each sport, practice specific skills related to each sport, learn about game strategy and the benefits of sports. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition.

Middle School Intro to Individual Sports 2	Students learn about a variety of group sports and do an in-depth study of baseball/softball, and volleyball. Students learn the history, rules, and guidelines of each sport, as well as practice specific skills related to each sport, learn about sportsmanship and teamwork, study elements of personal fitness, goal setting, sport safety, and sports nutrition.
Middle School Journalism A/B	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.
Middle School Photography A/B	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!
Modern World History A/B	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 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.
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.
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 Development	Personal Development is a course designed to increase a student's success in school, at work, and in their personal life as it provides students with practical insights, stories, discussion questions, and activities designed to enhance self-awareness, boost self-esteem, and help develop the motivation it takes to overcome personal challenges. Students will also develop the skills necessary to make informed and responsible decisions about their own well-being, as well as the well-being of others.

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.
Personal Training Concepts	This course examines basic concepts in fitness that are important for personal fitness, as well as necessary foundational information for any health or exercise career field. Areas of study include musculoskeletal anatomy and physiology, terms of movement, basic biomechanics, health related components of fitness, FITT principles, functional fitness skills, safety and injury prevention, posture and technique, nutrition, and weight management.
Physical Science A/B	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.
Physics A/B	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.
Physiology	In this course, students will examine the functions of the body's biological systems including skeletal, muscular, circulatory, respiratory, digestive, nervous, and reproductive systems. In addition to understanding the function of each system, students will learn the function of cells, blood, and sensory organs, as well as study DNA, immunity, and metabolic systems.

Planning Meetings and Special Events	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.
Pre-Algebra A/B	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 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.
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.
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.

Restorative Practices and Principles	Restorative Practices & Principles is designed to provide individuals with the knowledge and tools needed to improve and repair relationships between people and communities in a reformed way. By participating in this course, students learn how to evaluate the impacts that their environment and experiences may have on them, and to design purposeful, positive futures for themselves, regardless of history, circumstance, or past mistakes. This course aims to instill the confidence, inspiration, and wisdom needed to break through any social stereotypes or barriers that stand in the way of reaching their fullest potential.
Running	This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross- training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing.
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.
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.
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 and Emotional Success	Social & Emotional Success is a course designed to strengthen a student's social capacity and their emotional intelligence. Upon completing this course, students will be empowered with the skills to identify problems, utilize critical thinking to evaluate and reflect on solutions, and engineer their own philosophy towards mindfulness.
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, 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 Officiating	In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

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.
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.
Strength Training	This course focuses on the fitness components of muscular strength and endurance, fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group, focus on proper posture and technique while training, gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training.
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.
Trauma-Informed Living	Trauma-Informed Living is designed to address many of the common mental health challenges that students face; to teach strategies and techniques to support a students' ability to process difficult experiences and manage their emotional reactions; and to increase awareness in order to reduce the stigma of mental illness and poor mental health. By participating in this course, students learn how to prevent, recognize, and identify different mental health issues; how to navigate the emotions involved; how to seek resources for help with mental health; and how to help others in need do the same. The topics discussed in this course include personal safety and wellness, self-esteem, potential mental barriers, social emotional trauma, childhood trauma, mental health disorders, and suicide prevention and awareness.

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.
Unlock Your Purpose	Unlock Your Purpose is a course where students will investigate their why, what motivates them, and identify the person they want to become. Upon completing this course, students will understand how to balance the principles of happiness and success, the importance of helping others, the connection between internal thoughts and external communication, and how to build and maintain healthy relationships.
Walking Fitness	This course helps students establish a regular walking program for health and fitness as walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross- training.

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.