



## Missouri Course Access and Virtual School Program (MOCAP) Edmentum Course Descriptions - Curriculum Only

### Table of Contents

3D Modeling 1a: Introduction.....	4
3D Modeling 1b: Setting the Scene.....	4
Agriscience I: Introduction.....	4
Agriscience II: Sustaining Human Life.....	4
American Sign Language I A/B.....	4
American Sign Language II A/B.....	5
American Sign Language III: Community & Culture.....	5
Animation 1a: Introduction.....	5
Animation 1b: Animating Your Creativity.....	5
AP Computer Science A.....	5
Applied Medical Terminology A/B.....	5
Artificial Intelligence.....	6
Biotechnology I A: Introduction.....	6
Biotechnology I B: Unlocking Nature’s Secrets.....	6
Careers in Criminal Justice I A: Introduction.....	6
Careers in Criminal Justice I B: Finding Your Specialty.....	6
Coding 1a: Introduction to Programming.....	7
Coding 1b: Programming.....	7
Computer Programming A/B.....	7
Concepts of Engineering & Technology.....	7
Cosmetology I: Cutting Edge Styles.....	8
Cosmetology II: The Business of Skin and Nail Care.....	8
Cosmetology III A: Introduction to Hair Skills.....	8
Cosmetology III B: Waving, Coloring, and Advancing Hair Skills.....	8
Creative Writing: Unleashing the Core of Your Imagination.....	8
Culinary Arts A/B.....	8
Drafting & Design A/B.....	9
Entrepreneurship A/B.....	9
Fitness Fundamentals I.....	9
Fitness Fundamentals II.....	10
Forestry & Natural Resources.....	10

Game Development .....	10
Gothic Literature.....	10
Health Science: Nursing.....	11
Health Science: Public Health .....	11
Health Science I: The Whole Individual .....	11
Health Science II: Patient Care and Medical Services.....	11
Holocaust Studies.....	11
International Business .....	12
Introduction to Anthropology.....	12
Introduction to Archaeology.....	12
Introduction to Astronomy .....	13
Introduction to Careers in Criminal Justice.....	13
Introduction to Criminology.....	13
Introduction to Cybersecurity.....	14
Introduction to Fashion Design.....	14
Introduction to Forensic Science.....	14
Introduction to Military Careers .....	15
Introduction to Nursing 1 .....	15
Introduction to Nursing 2 .....	15
Introduction to Philosophy .....	15
Introduction to Social Media .....	15
Introduction to Veterinary Science .....	16
Life Skills .....	16
Manufacturing: Product Design & Innovation .....	16
Marketing, Advertising & Sales.....	16
Medical Terminology.....	16
Middle School Coding 1a: Introduction .....	17
Middle School Coding 1b: Learning Python & Javascript.....	17
Middle School Exploring Music.....	17
Middle School Game Design 1a: Introduction .....	17
Middle School Game Design 1b: Creating a Game.....	17
Music Appreciation: The Enjoyment of Listening.....	17
Mythology & Folklore.....	17
National Security.....	18
Networking Fundamentals A/B.....	18
Peer Counseling .....	18
Personal Finance .....	18
Principles of Agriculture, Food & Natural Resources A/B.....	19
Principles of Architecture & Construction A/B.....	19

Principles of Arts, A/V Technology & Communications A/B .....	19
Principles of Engineering & Technology A/B.....	20
Principles of Government & Public Administration A/B .....	20
Principles of Health Science A/B .....	20
Principles of Hospitality & Tourism A/B.....	21
Principles of Human Services A/B .....	21
Principles of Information Technology A/B.....	21
Principles of Law, Public Safety, Corrections & Security A/B .....	22
Principles of Manufacturing A/B .....	22
Principles of Public Service: To Serve & Protect.....	23
Principles of Transportation, Distribution & Logistics A/B.....	23
Public Speaking I A: Introduction .....	23
Public Speaking I B: Finding Your Voice .....	23
Renewable Technologies: Introduction .....	23
Robotics I A/B.....	24
Social Issues .....	24
Sociology.....	24
The Lord of the Rings: An Exploration of the Films and Their Literary Influences.....	25
Theater, Cinema, and Film Production I A: Introduction .....	25
Theatre, Cinema & Film Production .....	25
Veterinary Science: The Care of Animals.....	25
Women's Studies.....	25

Course Name	Course Description
3D Modeling 1a: Introduction	Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, and in this course, you'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. 3D modeling is an essential part of the modern world and soon, you'll be able to contribute yourself!
3D Modeling 1b: Setting the Scene	Many buildings that are rendered in the real world first are constructed in a digital 3D world that depicts the aesthetics, environment, and conditions of what will come to be. In this course, you will be introduced to the tools and techniques needed to create works of 3D art. You will bring your objects to life with color, textures, lighting, and shadow all while simulating the movement of world around. Are you ready to bring beautiful objects to life in a 3D world? Let's get started today!
Agriscience I: Introduction	How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Introduction to Agriscience. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agriscientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. In Introduction to Agriscience, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.
Agriscience II: Sustaining Human Life	Have you ever strolled past a bright green cauliflower at the market and paused to ponder its unusual color? Ever wonder why "broccolini" is suddenly a thing? Well, if you find yourself curiously questioning these, and other, peculiar vegetables and wondering about the role of agriculture in the modern world, Agriscience II is for you. Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. Food is our most essential resource; see how plant science will change the face of eating in the 21st century and give us the knowledge to continually improve our green thumbs!
American Sign Language I A/B	Did you know that American Sign Language (ASL) is the third most commonly used language in North America? American Sign Language 1a: Introduction will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness. The predominant sign language of Deaf communities in the United States, American Sign Language is a complex and robust language. American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will

	<p>expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture.</p>
<p>American Sign Language II A/B</p>	<p>Explore the vocabulary you need for shopping, making purchases, and dealing with emergencies. Building upon the prior prerequisite course, you will progress your communication skills and foster your understanding of deaf culture. You will learn about classifiers, glossing, and mouth morphemes, as well as how to give descriptions and directions.</p> <p>Building upon the prior prerequisite course, students will increase their proficiency by learning about sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course.</p>
<p>American Sign Language III: Community &amp; Culture</p>	<p>As you dive into more advanced ASL signing, including unique grammar features and advanced classifiers and locatives, you'll learn, compose, and present your new-found vocabulary and narratives by immersing yourself in Deaf culture and community. From opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. Explore how travel, cultural differences, and geography affect sign language. And gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature.</p>
<p>Animation 1a: Introduction</p>	<p>Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!</p>
<p>Animation 1b: Animating Your Creativity</p>	<p>It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.</p>
<p>AP Computer Science A</p>	<p>This course is designed to introduce students to the basic concepts of computer programming. Students learn how to compile and run a Java program. They learn to use arithmetic, relational, and logical operators. They learn to use different decision-making and loop statements. They learn to create classes, methods, String objects, and an ArrayList object. They learn to perform sequential search, binary search, selection sort, and insertion sort on an array. They learn to implement object-oriented programming design. They learn to implement inheritance, polymorphism, and abstraction. Further, they describe privacy and legality in the context of computing.</p>
<p>Applied Medical Terminology A/B</p>	<p>The Semester A course is intended to help you familiarize yourself with the medical terminology related to the human body systems. This course has 14 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson</p>

	<p>Activities. This course will cover the structure of the human body systems and their functions. It will also include medical terminology related to diseases, disorders, medical procedures, and treatment for each body system.</p> <p>The Semester B course is intended to help you understand the skills required to achieve success in healthcare careers. This course has 12 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various topics like communication and professional skills, professional conduct and safety practices required in healthcare field. You will also learn how to sensitively interact with culturally diverse people. You also understand how to use technology and math skill in healthcare industry.</p>
<p>Artificial Intelligence</p>	<p>This one-semester course is focused on the history, applications, and innovations of artificial intelligence. Students will learn about intelligence agents, problem solving using search algorithms, knowledge representation, and reasoning in artificial intelligence. Students will also learn about the basic concepts of machine learning and natural language processing (NLP). Students will also learn about expert systems, computer vision and robotics. This 12-lesson course also covers ethics and safety related to artificial intelligence. Online discussions and course activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged.</p>
<p>Biotechnology I A: Introduction</p>	<p>Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.</p>
<p>Biotechnology I B: Unlocking Nature’s Secrets</p>	<p>Building on the prior prerequisite course, expand your knowledge in the field of biotechnology. Explore the discovery of antibiotics and the concerns of antibiotic resistance while also examining the agricultural, pharmaceutical, ad genetic applications of biotechnology. Finally, learn about the future of biotechnology to understand the depth and breadth of this field.</p>
<p>Careers in Criminal Justice I A: Introduction</p>	<p>Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.</p>
<p>Careers in Criminal Justice I B: Finding Your Specialty</p>	<p>Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to</p>

	<p>uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.</p>
<p>Coding 1a: Introduction to Programming</p>	<p>Have you ever wanted to create your own web page or wondered how your favorite websites were built? Maybe you want to know more about how computers and technology are affecting the world around us. In Coding 1a: Introduction to Programming, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.</p>
<p>Coding 1b: Programming</p>	<p>Cultivate your understanding of programming languages and expand on your knowledge of website development. Learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing.</p>
<p>Computer Programming A/B</p>	<p>The Semester A course is intended as a practical, hands-on guide to help you understand the concepts and techniques associated with computer programming. This course has four Units with 15 lessons and four Unit Activities. Each lesson contains one or more Lesson Activities. This course describes the skills and training required for careers in computer programming and the work ethics required in a computing environment. This course describes number systems, data types, and functions used in computation. In addition, this course describes types of programming paradigms and program structures. Finally, this course explains how to create web pages in HTML and how to do create a JavaScript program.</p> <p>This one-semester course is intended as a practical, hands-on guide to help you understand various phases of the software development life cycle (SDLC). This course has four Units with 14 lessons and four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various phases of SDLC such as analysis, design, development, testing, and implementation. This course describes software development methodologies, how client requirements are gathered and analyzed, various types of project plans, design using unified modeling language (UML), coding, types of testing, quality control, and maintenance of software systems. This course also covers various security threats and risks and the methods to mitigate them.</p>
<p>Concepts of Engineering &amp; Technology</p>	<p>What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to</p>

	<p>discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists.</p>
<p>Cosmetology I: Cutting Edge Styles</p>	<p>Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.</p>
<p>Cosmetology II: The Business of Skin and Nail Care</p>	<p>Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.</p>
<p>Cosmetology III A: Introduction to Hair Skills</p>	<p>Develop your skills in the rewarding field of cosmetology! You will be exposed to the complexities of this field by learning to perform a hair, scalp, and skin analysis. You will also learn about hair types, face shapes, and color theory. Finally, color techniques are covered with an emphasis on salon and chemical safety, effectively preparing you for a career in cosmetology!</p>
<p>Cosmetology III B: Waving, Coloring, and Advancing Hair Skills</p>	<p>Building on the prior prerequisite course, you will dive into the realm of hair styling and cutting techniques. You will explore varieties of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. You can expect to be well versed with a plethora of hair skills upon completion.</p>
<p>Creative Writing: Unleashing the Core of Your Imagination</p>	<p>Writing can change the world. Think about the Declaration of Independence, the Bill of Rights, and Lincoln's 2nd In Augural Address. How have these writings shaped our country and the future? While you learn how to unleash the core of your imagination to develop your own creative writing, you'll also explore creative writing through foundational literary works from the 18th to 20th century of Colonialism to American Gothic to Modernism, and everything in between, while evaluating original writings and their interpretations.</p>
<p>Culinary Arts A/B</p>	<p>Culinary Arts, Semester A, is a one-semester course that is intended to help you gain an understanding of the history and development of the culinary arts. This course covers the basics of nutrition; and health, safety, and sanitation. In addition, the course explains the basic science principles used in cooking and various cooking methods. Finally, the course describes culinary skills required to make a variety of items, ranging from stocks and soups to seafood and poultry to various breads and desserts.</p> <p>Culinary Arts, Semester B, is a one-semester course that is intended to help you gain an</p>



	<p>understanding of menu planning, food presentation, and different service styles. This course covers the running of food service establishments and kitchen management skills. In addition, the course explains the personal skills and professional traits needed in the food service industry. Finally, the course covers career opportunities and career management skills.</p>
<p>Drafting &amp; Design A/B</p>	<p>The Semester A course is intended to help you familiarize yourself with various aspects of drafting and design. This course has fifteen lessons organized into four units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course covers the fundamental concepts of drafting and design, types of drafting tools, drafting conventions, sketching and drawing techniques, types of views and projections, and basic computer-aided design and drafting (CADD) operations.</p> <p>The Semester B course is intended to help you familiarize yourself with various aspects of drafting and design. This course has fourteen lessons organized into three units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course covers design and development of a prototype, different types of drawings and views, advanced computer-aided design and drafting (CADD) operations, and key professional and personal skills that are helpful in having a successful career in the field of drafting and design.</p>
<p>Entrepreneurship A/B</p>	<p>The Semester A course is intended to help you identify the components of a business plan, describe ideation and innovation in products and pricing, explain the market research process, and list various management functions of operations management. The course has 18 lessons organized into 4 units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. Additionally, the course includes a comprehensive Course Activity. This course will cover the roles and attributes of an entrepreneur, marketing and its components, the selling process, and operations management.</p> <p>The Semester B course is intended to help you explain the concept of accounting, identify different firm ownership structures, explain the importance of business ethics, and describe the scope of quality management. The course has 17 lessons organized into 4 units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course will cover the different types of capital that a business needs at different stages, the nature of legally binding contracts, the different functions of the human resources division of a company, and the types of risks that entrepreneurs face.</p>
<p>Fitness Fundamentals I</p>	<p>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. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility training.</p>

<p>Fitness Fundamentals II</p>	<p>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. This course allows 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. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving elements of cardio, strength, and flexibility.</p>
<p>Forestry &amp; Natural Resources</p>	<p>Whether you are a TreeHugger or not, everyone loves the beauty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.</p>
<p>Game Development</p>	<p>This one-semester elective course is intended as a practical, hands-on guide to help you understand the process of game development.</p> <p>This course is structured into lessons and Course Activities as follows:</p> <ul style="list-style-type: none"> <li>• The first four lessons are about the history of video games, types of early consoles, arcades, personal computers, and platform convergence.</li> <li>• The next four lessons deal with game and player goals, game genres, player motivations, and player demographics.</li> <li>• The next four lessons provide students an understanding of story and character development, gameplay, game styles, and level design.</li> <li>• The next four lessons discuss game user interface, game audio, mobile and social gaming, and the different job roles in the video game industry.</li> <li>• The next three lessons focus on game development phases, the role of management in game production, and various methods used for marketing games.</li> <li>• The final lesson is about the future of gaming; it discusses existing trends and possible directions in video gaming.</li> </ul>
<p>Gothic Literature</p>	<p>This one-semester course has 14 lessons, plus five Course Activities. Each lesson contains one or more Lesson Activities. It explores different conventions, themes, and elements of Gothic literature through the analysis of representative literary works, such as Emily Dickinson's poems about mortality and spirituality, Robert Louis Stevenson's classic Gothic novella Strange Case of Dr. Jekyll and Mr. Hyde, Edgar Allan Poe's Gothic short stories, Bram Stoker's Dracula, Robert Browning's Gothic poems, Percy Bysshe</p>

	Shelley's Gothic drama, <i>The Cenci</i> , Mary Shelley's classic Gothic novel, <i>Frankenstein</i> , Gothic parodies and Gothic subgenres, and modern Gothic literature.
Health Science: Nursing	Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In Health Science II Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients. From emergency to rehabilitative care to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.
Health Science: Public Health	What is public health? Who is in control of our health systems and who decides which diseases get funding and which do not? What are the human and environmental reasons for health inequality? Health Science: Public Health answers all of these questions and more. You will study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities and fascinating real-life situations.
Health Science I: The Whole Individual	We know the world is filled with different health problems and finding effective solutions is one of our greatest challenges. How close are we to finding a cure for cancer? What's the best way to treat diabetes and asthma? How are such illnesses as meningitis and tuberculosis identified and diagnosed? Health Sciences I: The Whole Individual provides the answers to these questions and more as it introduces you to such health science disciplines as toxicology, clinical medicine, and biotechnology. Understanding the value of diagnostics and research can lead to better identification and treatment of many diseases, and by learning all the pertinent information and terminology you can discover how this amazing field will contribute to the betterment of human life in our future.
Health Science II: Patient Care and Medical Services	Are you looking for a job that's challenging, interesting, and rewarding? These three words describe many of the different careers in health care, and Health Sciences II: Patient Care and Medical Services will show you how to become part of this meaningful vocation. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.
Holocaust Studies	Holocaust Studies is a single-semester course that describes the mass murder of millions of Jews during the Nazi rule in Germany and its impact on the international community. In this course, you will trace the history of Jews living in Europe and the

	<p>origins of anti-Semitism. You will learn about the early life of Hitler and his rise to power.</p> <p>The course also describes how the Nazis exterminated the Jews and how Jews resisted. You will also learn about the liberation of the Jews and the impact of the Holocaust on the non-Jewish community. The course also covers the outcome of postwar trials.</p>
<p>International Business</p>	<p>International Business is a single-semester course that describes international business and its various aspects. This course begins by describing the impact of globalization and the position of the United States in international business. In this course, you'll learn about global trade theories and policies and identify major world economies. In addition, you'll determine the levels of economic cooperation between the economies, and determine the strategies that are required to enter the international business arena. Finally, you'll explain the importance of human resources in global firms and describe various employability skills required in business.</p>
<p>Introduction to Anthropology</p>	<p>This one-semester elective course is intended as a practical guide to introduce you to the field of anthropology. You will explore the evolution of anthropology as a distinct discipline, learn about anthropological terms, concepts and theories, and discuss the evolution of humans and human society and culture. Students will also learn about social institutions, such as marriage, economy, religion, and polity. The target audience for this course is high school students.</p> <p>This course is structured into lessons and Course Activities as follows:</p> <ul style="list-style-type: none"> <li>• The first lesson introduces students to the field of anthropology and its development as a distinct discipline. You'll learn some key ideas and methods in anthropology in the second lesson. The third lesson describes different branches of anthropology.</li> <li>• In the fourth lesson, you'll learn about human origin and evolution. The next five lessons discuss important anthropological topics, such as culture, language and communication, art and aesthetics, subsistence and economy, and social groups.</li> <li>• In lesson 9, you will learn about kinship and descent, and in lesson 13, you'll explore the concepts of race, caste, and ethnicity.</li> <li>• Lessons 10, 12, and 14 delve into various social institutions—marriage and family, religion and belief systems, and political institutions respectively.</li> </ul>
<p>Introduction to Archaeology</p>	<p>This one-semester course is intended as an engaging and practical survey of the field of archeology.</p> <p>The course is structured into lessons and Course Activities as follows:</p> <ul style="list-style-type: none"> <li>• The first lesson discusses archaeology as a field of study.</li> <li>• The next lesson discusses the history and evolution of modern archaeology, and how modern archaeology differs from traditional archaeology.</li> </ul>

	<ul style="list-style-type: none"> <li>• The next two lessons describe what career options are available in archaeology in the United States, the qualifications and certifications required to get into those careers, and familiarize you with the different types of archaeology.</li> <li>• The next three lessons familiarize you with the techniques and methods used in archaeology, which include research techniques used in archaeological projects, types of archaeological evidence, the importance of identifying material evidence, and methods used for identifying and surveying archaeological sites.</li> <li>• The next two lessons discuss the work involved in archaeological site excavation, such as various excavation techniques, application of geological principles, methods of recovering artifacts, methods of recording archaeological finds, and identifying age of artifacts with dating techniques.</li> <li>• The next two lessons familiarize you with ways of preserving and storing archaeological finds, such as long-term conservation treatment for artifacts, ways to preserve artifacts while transporting them from archaeological sites, and different storage requirements in different environments.</li> <li>• The next lesson discusses the role of archaeology in the indigenous cultures in the United States and steps taken to improve relationships with native cultures.</li> <li>• The next lesson familiarizes you with the methods archaeologists use to share archaeological findings with people, ethical and practical considerations in public archaeology, and outreach programs used in archaeology.</li> <li>• The last lesson familiarizes you with the ways of protecting archaeological sites from vandalism and illegal trade, such as using site management strategies and voluntary strategies, empowering local communities, and using federal government laws.</li> </ul>
<p>Introduction to Astronomy</p>	<p>This one-semester course is intended to introduce you to the concepts of astronomy. This course has 17 lessons and 6 Course Activities. Each lesson contains one or more Lesson Activities. In Introduction to Astronomy, you will learn about the history of astronomy from ancient times to modern times. You will identify the movements of the Sun, Moon, planets, and stars across the sky. You will describe the formation of the solar system, and the role of the Sun and Moon in the solar system. You will describe the causes of seasons on Earth and the reasons for life on Earth. You will learn about stars, galaxies, and the Milky Way. You will explain various theories of cosmology, and advantages and disadvantages of space exploration.</p>
<p>Introduction to Careers in Criminal Justice</p>	<p>Have you ever wondered what steps take place as people move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.</p>
<p>Introduction to Criminology</p>	<p>This one-semester course is intended as a guide to the field and theories of criminology. It's structured into lessons and Course Activities as follows:</p> <ul style="list-style-type: none"> <li>• The first lesson discusses criminology as a field of study.</li> </ul>

	<ul style="list-style-type: none"> <li>• The next two lessons discuss theories, which suggest that people engage in crime to satisfy self-interests and individual traits influence criminal behavior.</li> <li>• The next lesson discusses the theory that motivated offenders are most likely to commit crimes when they are influenced by routine activities of potential victims.</li> <li>• The next three lessons describe theories that suggest that people engage in crimes when social institutions fail to have a positive influence on them, they are labeled as criminals, and they associate with peers with criminal backgrounds.</li> <li>• The next lesson familiarizes you with the theory that people engage in or refrain from criminal activities based on how they respond to certain events (turning points) in their lives.</li> <li>• The next three lessons describe theories that influence of political and social powers, inability to achieve societal goals, and breakdown of social order contribute to criminal behavior.</li> <li>• The next two lessons discuss theories that crimes and criminal behavior can be reduced by advocating peace and justice, reducing physical opportunities, and increasing the risks of being caught.</li> <li>• The last lesson familiarizes you with the theory that focuses on preventing the escalation of serious crimes in a community</li> </ul>
<p>Introduction to Cybersecurity</p>	<p>This one-semester course is intended to introduce you to the concepts of cybersecurity. This course has 13 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. In Introduction to Cybersecurity, you will examine key cybersecurity concepts and programs. You will identify the different types of cybersecurity threats and errors. You will explain how to protect your computer system, networks, and data from various cyber attacks. You will describe the process of risk assessment, mitigation, and incident handling. You will examine various laws, standards, and ethical issues related to cybersecurity. Finally, you will explore the career opportunities in the field of cybersecurity.</p>
<p>Introduction to Fashion Design</p>	<p>Introduction to Fashion Design is a one-semester course intended to introduce students to the basics of fashion design. This course is designed to provide students insight on the history of fashion and its place in the modern world and to help them understand terms and concepts related to fashion. From the inspiration for a garment to creating sketches until the final product takes shape is a long process that involves various activities such as fashion forecasting, predicting consumer demand, drafting the designer's worksheet, pricing, etc. This course has seventeen lessons and four Course Activities.</p>
<p>Introduction to Forensic Science</p>	<p>This one-semester course is intended for you to familiarize yourself with the knowledge and skills required for a career in Forensic Science. This course has 15 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. In Introduction to Forensic Science, you will learn about the importance and limitations of forensic science and explore different career options in this field. You will also learn to process a crime scene, collect and preserve evidence, and analyze biological evidence such as fingerprints, blood spatter, and DNA. Moreover, you will</p>

	learn to determine the time and cause of death in homicides and analyze ballistic evidence and human remains at a crime scene. Finally, you will learn about forensic investigative methods used in arson, computer crimes, financial crimes, and forgeries.
Introduction to Military Careers	This one-semester course introduces the US military and describes each of its branches, which include the National Guard, Army, Navy, Marine Corps, Coast Guard, and Air Force. Students also learn about the relationship of the military reserve to the branches of the military. The course covers non-combat careers in the military, such as military intelligence, information technology, health care, legal services, logistics, aviation, and transportation, and other specialized careers. This course also covers enlistment and fitness requirements for military careers and personal traits that are essential for success in the military. The 16 lessons in the course provide students with both breadth and depth, as they learn about the US Military. Online discussions and course activities require students to develop and apply critical thinking skills while the included games appeal to a variety of learning styles and keep students engaged.
Introduction to Nursing 1	This two semester course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.
Introduction to Nursing 2	This course provides students with an overview of group sports. Students learn about a variety of sports and do an in-depth study of baseball/softball, and volleyball. Students learn the history, rules, and guidelines of each sport, as well as practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.
Introduction to Philosophy	This one-semester course is intended as a practical guide to help you understand the subject matter of philosophy, its main branches, and the major ideas and issues discussed in each branch. This course has 15 lessons and 6 Course Activities. Each lesson contains one or more Lesson Activities.
Introduction to Social Media	This single semester elective course is intended as a practical, hands-on guide to help you understand the world of social media and how individuals, social groups, and businesses are using different types of social media. You will discuss various types of social media and the technologies that spawned them in the initial two lessons. In the lessons that follow, you will take a closer look at different types of social media—from social and professional networks to geolocation and photo-sharing services. Finally, in the last few lessons you will discuss how technological advances (specifically in mobile



	devices) and the legal environment impact social media and how businesses use social media in their marketing activities.
Introduction to Veterinary Science	This one-semester course is intended for you to familiarize yourself with the knowledge and skills required for a career in the veterinary industry. This course has 13 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. In the Introduction to Veterinary Science course, you will explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. You will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, you will learn about zoonotic diseases, and the impact of toxins and poisons on animal health.
Life Skills	This course allows students to explore their personality type and interests, as well as refine important skills that will benefit them throughout their lives, including personal nutrition and fitness skills, time & stress management, communication & healthy relationships, goal setting, study skills, leadership and service, environmental and consumer health, and personal finances. In addition, students will explore possible colleges and careers that match their needs, interests, and talents.
Manufacturing: Product Design & Innovation	Think about the last time you visited your favorite store. Now picture the infinite number of products you saw. Have you ever wondered how those things made it to the shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! If you thought manufacturing meant mundane assembly lines, this course will show you how exciting, creative, and practical this industry can be.
Marketing, Advertising & Sales	As part of this course, every student has to join a student organization, such as FBLA and BPA, and be an active participant in all events and projects of the organization.  As a member of a student organization, you should do the following: <ul style="list-style-type: none"> <li>• Participate in all the activities of the student organization you choose to join.</li> <li>• Keep a record of your participation in meetings, programs, and projects.</li> <li>• Take notes about the history, purposes and goals of the student organization.</li> <li>• Identify the benefits and responsibilities of membership in the student organization as a student and in professional or civic organizations as an adult.</li> <li>• Use a computer to record the information above and process it to create a slide presentation.</li> </ul>
Medical Terminology	In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations.



	They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.
Middle School Coding 1a: Introduction	Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You'll leave the course with a portfolio of work you can show off.
Middle School Coding 1b: Learning Python & Javascript	Let's take the coding skills you learned in the previous course to the next level! You'll expand your knowledge with Advanced Python, HTML, and JavaScript. You'll further build out your portfolio and start thinking about a career in the fast-growing IT field.
Middle School Exploring Music	What comes to mind when you hear the word 'music'? Do you think about your favorite band or artist? Do you think about instruments and scales and chords? The word 'music' means something different to everyone. This is why in Exploring Music there is a little bit of something for everyone! You will learn about how we hear music and how music affects our lives. 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. Tune up your understanding and appreciation for all things music by signing up for this course!
Middle School Game Design 1a: Introduction	We love to play video games, but have you ever wanted to build your own? If you are interested in a career in technology but also want a creative outlet, Game Design might be the field for you. Learn how to build a game from the ground up in this interactive and hands-on course that will teach you all the ins and outs of making your own game.
Middle School Game Design 1b: Creating a Game	It's time to take your Game Design knowledge up a level! You built your game design skills and Scratch techniques in the first part of this course. By the end, you wrote your game design document. Now you are ready to start developing that game! You'll create details and add component pieces in a game while learning to prototype, troubleshoot, and test.
Music Appreciation: The Enjoyment of Listening	Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.
Mythology & Folklore	This one-semester course is intended for you to familiarize yourself with various myths, legends, and folklore from around the world. This course has 15 lessons and five Course Activities. Each lesson contains one or more Lesson Activities.

	<p>In Mythology and Folklore, you will describe myths related to the creation of the world, the natural elements, and the destruction of the world. You will identify the main characters of various dynastic dramas, love myths, and epic legends and describe their journeys. You will trace the evolution of folklore and describe folktales from around the world.</p>
National Security	<p>Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.</p>
Networking Fundamentals A/B	<p>Networking Fundamentals, Semester A is the first part of a two-semester course. This course introduces you to careers in networking as well as basic concepts in networking. You'll describe types of networks, network topologies, software-defined networking, private and public networks, as well as intranets and extranets. You'll also learn about the Internet of Things (IoT) technologies. You'll learn about networking models, networking protocols, IP addresses, and subnetting. You'll identify networking devices, cables, media, and connectors. You'll learn to install a network operating system and set up a small wired network. Finally, you'll identify common network security threats and preventive measures to secure a network.</p> <p>Networking Fundamentals, Semester B is the second part of a two-semester course. This course focuses on network planning, administration, troubleshooting, and maintenance. You'll learn about the different phases of project management and identify important skills needed to manage a project. You'll also plan, design, and document a network. You'll learn about wireless networking standards and access methods. You'll learn to set up and secure a wireless network. You'll learn about virtual private networks and cloud computing. You'll also learn to troubleshoot issues related to wired and wireless networks. Finally, you'll identify disaster recovery methods and describe how to maintain a network.</p>
Peer Counseling	<p>Are you the person that people come to for advice? Does it seem that your friends always talk to you about their problems? If so, Peer Counseling may be the perfect course for you. It offers ways for you to explore this valuable skill and better understand how it can make a difference in the lives of others. Helping people achieve their personal goals is one of life's most rewarding experiences, and Peer Counseling will show you the way to provide support, encouragement, and resource information. Learn how to observe others as a Peer Counselor as you carefully listen and offer constructive, empathic communication while enhancing your own communication skills.</p>
Personal Finance	<p>This one-semester course is intended to help you familiarize yourself with the basic and essential concepts of personal finance. This course has 15 lessons organized into three</p>

	<p>units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. Additionally, there is one Course Activity that you need to work on throughout the duration of the course. This activity is a long-term project spread over the length of the course. The due date for this activity is to be determined by the course instructor. This course covers the fundamentals of personal finance, role of consumers in the economic system of the United States, financial planning in personal life, ways to manage finances, and different investment strategies. It also covers various career options available in the field of personal finance.</p>
<p>Principles of Agriculture, Food &amp; Natural Resources A/B</p>	<p>Did you know that the world’s population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You’ll learn more about agriculture’s history, animal husbandry, plant science, and natural resources, and you’ll be better prepared for your part in sustaining the world.</p>
<p>Principles of Architecture &amp; Construction A/B</p>	<p>The Principles of Architecture and Construction Semester A course is intended to help familiarize you with basic concepts of architecture and construction and a wide range of careers available in this field. Principles of Architecture and Construction Semester A begins by introducing foundational concepts of architecture and construction. This course covers architectural drawings, structure and loads, materials, and equipment used in architecture and construction. In this course, you will also review career opportunities in the field of Architecture and Construction. Finally, this course will explain the important workplace ethics required in this field.</p> <p>The Principles of Architecture and Construction Semester B course is intended to help you familiarize yourself with concepts related to architecture and construction work. This course has 15 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course explains the use of computers in architecture and construction work. It also covers concepts and careers related to urban design and green design. In addition, it explains the stages involved in creating a built environment and the aspects of managing a construction project. Finally, the course covers communication skills and safety and legal requirements needed in the field of architecture and construction.</p>
<p>Principles of Arts, A/V Technology &amp; Communications A/B</p>	<p>The Semester A course is intended as a practical, hands-on guide to help you understand the skills required for achieving success in modern-day careers in the arts, audio/video technology, and communications cluster. This course has 19 lessons organized into four units, with four Unit Activities. Each lesson additionally contains one or more Lesson Activities. This course will cover various topics in the arts, audio/video technology, and communication career cluster.</p> <p>The Semester B course is intended as a practical, hands-on guide to help you</p>

	<p>understand the skills required for achieving success in modern-day careers in the arts, audio/video technology, and communications cluster. This course has 16 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various topics in the arts, audio/video technology, and communication career cluster.</p>
<p>Principles of Engineering &amp; Technology A/B</p>	<p>The Semester A course is intended to help you familiarize yourself with engineering systems and technologies. This course has thirteen lessons organized into three units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course will cover the evolution of engineering and technology, careers in engineering, and engineering systems and technologies.</p> <p>The Semester B course is intended to help you familiarize yourself with the process of engineering design and examine manufacturing technologies and processes. This course has seventeen lessons organized into four units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course will cover the concepts in engineering design, manufacturing processes and materials, communication skills, and team and resource management.</p>
<p>Principles of Government &amp; Public Administration A/B</p>	<p>The Semester A course is intended to help you familiarize yourself with the foundations and functioning of governmental functions within the United States. This course has thirteen lessons organized into four units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course covers the history and development of the US Constitution, and the functions of government and public administration in the United States.</p> <p>The Semester B course is intended to help you understand the personal, professional, and technological skills required by professionals working in the field of government and public administration. This course has twelve lessons organized into three units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course covers career opportunities in the field of government and public administration and the necessary interpersonal and technological skills required at the workplace. It also covers the role and impact of geography, science, and technology on governmental and public administrative functions.</p>
<p>Principles of Health Science A/B</p>	<p>Principles of Health Science, semester A is the first part of a two-semester course. It is designed to help you get an overview of healthcare careers relating to therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. You will learn about the history of health care in the United States, job opportunities in the five healthcare systems, the qualifications and skills required to work in the healthcare sector, and factors that are important in a workplace environment such as communication skills, knowledge of laws and ethics related to health care, and knowledge of health and wellness. This course has 15 lessons organized into four units, plus four Unit Activities. Most lessons contain one or more Lesson Activities.</p> <p>Principles of Health Science, semester B is the second part of a two-semester course. It is designed to help as a practical, hands-on guide to help you understand the human</p>

	<p>body systems and learn career skills related to health care. You will learn medical terminology, human anatomy, homeostasis, and different stages of human life. You will also learn about the personal qualities and professional skills that will help you succeed in the healthcare sector. This course has 15 lessons organized into three units, plus three Unit Activities. Most lessons contain one or more Lesson Activities.</p>
<p>Principles of Hospitality &amp; Tourism A/B</p>	<p>PLATO Course Principles of Hospitality and Tourism, Semester A, is a one-semester course intended to help you familiarize yourself with the hospitality and tourism industry. This course has eighteen lessons organized into four units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities. This course will cover the history, diversity, components, and career opportunities in the hospitality and tourism industry.</p> <p>PLATO Course Principles of Hospitality and Tourism, Semester B is a one-semester course intended to help you familiarize yourself with the personal and professional skills and qualities needed for a career in the hospitality and tourism industry. This course has sixteen lessons organized into three units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course will cover interpersonal and communication skills, professional skills, and career opportunities in the hospitality and tourism industry.</p>
<p>Principles of Human Services A/B</p>	<p>This one-semester course is intended to help you gain familiarity with career opportunities in the human services career cluster. This course has 16 lessons organized into 4 units, plus 4 Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the various career pathways in human services, such as counseling, mental health services, and consumer services. In addition, the course covers workplace skills, such as a positive work ethic, integrity, budgeting basics, self-representation, and teamwork.</p> <p>This one-semester course is intended to help you gain familiarity with career opportunities in the human services career cluster. This course has 15 lessons organized into 4 units, plus 4 Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the various career pathways in human services, such as childcare, family services, and personal care services. In addition, the course covers various workplace skills, such as customer service and internet and information technology skills.</p>
<p>Principles of Information Technology A/B</p>	<p>Principles of Information Technology, Semester A is the first part of a two-semester course. It is designed to help you learn the basics of information technology. You will learn the fundamentals of computer systems, identify basic computer hardware components, describe input and output devices and peripheral devices, and compare different types of storage devices. You'll also learn about operating systems and application software. You'll learn to install, configure, and maintain software and hardware. You'll explore the internet and the World Wide Web, and various ways to communicate using the internet while minimizing security risks. You'll discuss legal and ethical issues in information technology. You'll learn to use word processors, presentation software, and spreadsheets, and learn about techniques to extract</p>

	<p>information from a database. This course has 16 lessons organized into four units, plus four Unit Activities. Most lessons contain one or more Lesson Activities.</p> <p>Principles of Information Technology, Semester B is the second part of a two-semester course. It is designed to help you go deeper in your study of information technology. You'll explore emerging technologies, multimedia applications, and computer programming concepts and programming languages. You'll learn about different types of computer networks and the need for network security and administration. You'll explore web development tools and web design techniques, and you'll learn to use HTML to design web pages and websites. Finally, you'll explore different career pathways in the field of information technology, and you'll identify the key skills and certifications you will need for these careers. This course has 14 lessons organized into four units, plus four Unit Activities. Most lessons contain one or more Lesson Activities.</p>
<p>Principles of Law, Public Safety, Corrections &amp; Security A/B</p>	<p>The Semester A course is intended as a practical, hands-on guide to help you understand the functioning of law enforcement agencies, courts, the correctional system, and security and emergency agencies. This course has 15 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the history and development of criminal law in the United States, court procedures, the role of law enforcement agencies and private security in public safety, and the role of fire fighters and emergency responders. It also covers the ethical and legal responsibilities and working conditions in law enforcement and security.</p> <p>The Semester B course is intended as a practical, hands-on guide to help you understand the personal, professional, and technological skills required by professionals working in the field of law, public safety, corrections, and security. This course has 12 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course covers communication skills, math skills, and work ethics. It also covers job acquisition skills, career advancement skills, and other important professional skills and qualities required at the workplace.</p>
<p>Principles of Manufacturing A/B</p>	<p>PLATO Course Principles of Manufacturing, Semester A, is a one-semester course intended to help you familiarize yourself with the evolution of manufacturing and describes manufacturing processes and systems. This course has twelve lessons organized into three units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities. This course will cover the history and evolution of manufacturing, manufacturing processes, engineering design, and production systems.</p> <p>PLATO Course Principles of Manufacturing, Semester B, is a one-semester course intended to help you familiarize yourself with quality control systems, importance of maintenance and marketing, and identify key professional and personal skills that are helpful in having a successful career in the field of manufacturing. This course has sixteen lessons organized into four units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities.</p>

<p>Principles of Public Service: To Serve &amp; Protect</p>	<p>Ambulances scream along, heading toward those in need. But who makes sure someone is there to answer the 9-1-1 call? When you take a pill, who has determined that drug is safe for the public? All of these duties are imperative to our comfort and success as a society. Public service is a field that focuses on building a safe and healthy world, and in Principles of Public Service: To Serve and Protect you will be introduced to its many different career choices. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!</p>
<p>Principles of Transportation, Distribution &amp; Logistics A/B</p>	<p>Semester A is intended for you to familiarize yourself with the knowledge and skills required for a career in Transportation, Distribution, and Logistics (TDL). This course has 16 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the evolution of the TDL industry, various modes of transportation, and the role of the TDL industry in world trade and globalization. It also covers career opportunities in TDL. In addition, it covers workplace skills, such as positive work ethics, integrity, and self-representation. Finally, this course covers communication and interpersonal skills required to be successful in the workplace.</p> <p>Semester B is intended for you to familiarize with knowledge and skills required for a career in Transportation, Distribution, and Logistics (TDL). This course has 12 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the basic concepts of warehousing and workplace safety. It also familiarizes you with organization management and leadership skills. In addition, this course covers the role of technology and future trends in the TDL industry.</p>
<p>Public Speaking I A: Introduction</p>	<p>Do you strive to gain more confidence when speaking in front of people? Learn techniques from famous speakers throughout history while learning what it takes to make a great speech. Develop skills that will serve you well throughout your career and personal life.</p>
<p>Public Speaking I B: Finding Your Voice</p>	<p>Bring your speeches to life by learning about body language, vocal, and other techniques. Learn about logic and reason while gaining the confidence to help create and deliver great presentations and speeches. You will also critically examine your speeches and presentations and those of others to improve upon your in-person and virtual presentation skills.</p>
<p>Renewable Technologies: Introduction</p>	<p>Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this</p>



	<p>challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.</p>
Robotics I A/B	<p>Robotics I, Semester A is a one-semester course that explains various concepts related to robotics. This course begins by describing the evolution and applications of robotics. This course helps you identify career opportunities and important employability skills in robotics. You will explain the importance of teamwork and describe the skills needed to work in a team. You will describe Newton’s laws of motion and their applications in robotics. You will describe basic concepts of electricity, electronic circuits, Boolean algebra, magnetics, and their applicability to robotics. You will apply safety procedures and construct a simple robot.</p> <p>Robotics I Semester B is a one-semester course that addresses more advanced concepts related to robotics. This course begins by describing the importance of project management in the success of a project. You will describe the steps of the engineering design process. You will identify the use of software to control robots. You will create a robotic arm. You will describe the ethics and laws related to robotics. You will create a robot using programming. This course covers how to test and maintain a robotic system. This course also covers how to create and present a proposal for a robot.</p>
Social Issues	<p>Social issues affect everyone—they are issues which revolve around governmental policy and enforcement of laws on the civilian population. These laws and policies can have any number of significant outcomes. They can protect minorities and women from discrimination, regulate drug use, give aid to the poor, provide guidelines for education, and much more. Social issues are often controversial and debated, so having the ability to form an educated opinion on them is an important part of your citizenship.</p>
Sociology	<p>This one-semester elective course is intended as a practical, hands-on guide to introduce you to the field of sociology. You will explore the evolution of sociology as a distinct social science, learn about sociological concepts and processes, and discuss how the individual relates to society. You will also learn about the influence of culture, social structure, socialization, and social change in today's society.</p> <p>This course is structured into lessons and Course Activities as follows:</p> <ul style="list-style-type: none"> <li>• The first lesson introduces students to the field of sociology and its development as a distinct discipline. You’ll learn some important sociological concepts and processes in the second lesson. The third lesson describes different types of societies.</li> <li>• In the fourth lesson, you’ll learn about the contributions of pioneering sociologists to the field.</li> <li>• The next three lessons discuss important sociological topics such as culture, social groups, socialization, and the various life stages. You will understand the role of culture, groups, and socialization in society.</li> <li>• In the next three lessons, you will learn about diverse topics such as deviance, social stratification, and inequality. You’ll explore the causes and consequences of stratification and inequality in society.</li> </ul>



	<ul style="list-style-type: none"> <li>• The next four lessons describe the roles of various social institutions such as family, polity, economy, education, religion, science and technology, and media in society.</li> <li>• In the penultimate lesson, you will learn about various demographic concepts and theories of population growth. The last lesson delves into factors affecting social change. You will learn about various theories of social change and social movements.</li> </ul>
<p>The Lord of the Rings: An Exploration of the Films and Their Literary Influences</p>	<p>The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien’s novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.</p>
<p>Theater, Cinema, and Film Production I A: Introduction</p>	<p>Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let’s explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let’s bring your creativity to life!</p>
<p>Theatre, Cinema &amp; Film Production</p>	<p>Theater, Cinema, and Film Production is a single-semester course that describes the processes of theater, cinema, and film production. The course begins by introducing theater and film and their different genres and subgenres. The course also helps you understand the creative side of theater and film production, such as screenplay writing, directing set design, acting, makeup, and wardrobe styling and costume design. In this course, you will also learn about technical aspects in theater and film productions, such as lighting, sound, and camerawork. The course also covers the pre-production, production, and post-production processes involved in plays and films. Finally, you will learn about audiences for plays and films, and how they impact these productions.</p>
<p>Veterinary Science: The Care of Animals</p>	<p>Lions and tigers and bears (oh my!) Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you!</p>
<p>Women's Studies</p>	<p>Women's Studies is a course that is designed to help you understand the concepts of gender and gender roles, and the social discrimination that exists on the basis of gender. You will learn about the history of feminism and feminist theories. You will also learn about the social and political movements that raised awareness about equal rights for women and other marginalized groups. You will explore the role of media in reinforcing gender stereotypes. This course also looks at the difference in the Western</p>

and non-Western ideas of gender, feminism, and activism. The course ends with a discussion on the possible challenges in the path toward creating an equal society.