

**Missouri Course Access and Virtual School Program (MOCAP)**  
**Course Descriptions-Edmentum (With Instruction)**

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## ACADEMIC SUCCESS

As in other areas of life, success in academics results from learning and practicing positive habits. This one-semester elective provides practical, hands-on guidance on developing and improving study habits and skills, regardless of a student's level of accomplishment. Academic Success includes five lessons and two course activities in a flexible structure that is adaptable to the needs and circumstances of individual students. The course can also be used for college-level developmental education.

## ACCOUNTING A/B

Semester A course is intended to help you familiarize yourself with the basics of accounting. This course has 15 lessons organized into four units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course covers the fundamentals of bookkeeping and financial statements. It also covers career opportunities and the key government regulations in the accounting field.

Semester B course is intended to help you understand the accounting functions specific to different kinds of businesses. This course has ten lessons organized into three units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. This course covers the accounting functions of different business types and the specialized accounting tasks related to them. It also covers and the essentials interpersonal and workplace

skills required as a professional in this field.

Additionally, Both Semester courses include a 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.

### **ACCUPLACER® MATH V.2**

ACCUPLACER tests provide information about academic skills (Mathematics) and, in conjunction with a student's academic background, are used by advisors to provide guidance on course selection.

### **ACCUPLACER® READING V.2**

ACCUPLACER tests provide information about academic skills (Reading) and, in conjunction with a student's academic background, are used by advisors to provide guidance on course selection.

### **ACCUPLACER® SENTENCE SKILLS V.2**

ACCUPLACER tests provide information about academic skills (Sentence Skills) and, in conjunction with a student's academic background, are used by advisors to provide guidance on course selection.

### **ACT WORKKEYS-APPLIED MATHEMATICS-LEVELED**

WorkKeys is a job skills assessment system that helps employers select, hire, train, and retain a high-performance workforce. WorkKeys scores help compare a learner's skills to the skills real jobs require. ACT WorkKeys assessments are divided into the following subdivisions:

- ACT WorkKeys - Applied Mathematics - Leveled
- ACT WorkKeys - Graphic Literacy
- ACT WorkKeys - Workplace Documents

### **ACT WORKKEYS-GRAPHIC LITERACY-LEVELED**

WorkKeys is a job skills assessment system that helps employers select, hire, train, and retain a high-performance workforce. WorkKeys scores help compare a learner's skills to the skills real jobs require. ACT WorkKeys assessments are divided into the following subdivisions:

- ACT WorkKeys - Applied Mathematics - Leveled
- ACT WorkKeys - Graphic Literacy
- ACT WorkKeys - Workplace Documents

### **ACT WORKKEYS-WORKPLACE DOCUMENTS—LEVELED**

WorkKeys is a job skills assessment system that helps employers select, hire, train, and retain a high-performance workforce. WorkKeys scores help compare a learner's skills to the skills real jobs require. ACT WorkKeys assessments are divided into the following subdivisions:

- ACT WorkKeys - Applied Mathematics - Leveled
- ACT WorkKeys - Graphic Literacy
- ACT WorkKeys - Workplace Documents



## **ACT® ENGLISH**

The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. (English)

## **ACT® MATHEMATICS**

The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. (Mathematics)

## **ACT® READING**

The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. (Reading)

## **ACT® SCIENCE REASONING**

The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. (Science Reasoning)

## **ADVERTISING & SALES PROMOTION**

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

## **AFRICAN AMERICAN HISTORY**

How have African Americans shaped the culture of the United States throughout history? Tracing the accomplishments and obstacles of African Americans from the slave trade through emancipation, and to the modern African diaspora, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. In African American History, you'll come face to face with individuals who changed the course of history and learn more about slavery, racism, and the Civil Rights Movement. You will also explore how the history of African Americans influences current events today.

## **AFRICAN AMERICAN STUDIES**

Throughout US history, African Americans have faced great adversity in the form of enslavement and institutional racism. They fought for their freedom and worked to right a broken system, but their struggle continues today. This course studies the treatment of enslaved Africans as they were brought to America, the prejudices African Americans have experienced, and their important role in the social, political, and economic development of the United States.

## **ALGEBRA I A/B**

Algebra 1 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for Mathematics. The specific standard alignment for each lesson is visible to both educators and students. In addition to the emphasis on alignment, the lessons in the new course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for students. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist students in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help students record key takeaways as they move through the tutorial. The course is also built around student engagement, with more interactive lessons and videos that work through examples and model problem-solving skills. This fresh new look and feel for the course was inspired by educator feedback.

Educators were also involved in the course at the design-level, as many unit activities, worksheets, and video scripts were written by current algebra classroom teachers. Algebra 1 v7.0 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.

## **ALGEBRA II A/B**

Algebra 2 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. This fresh new look and feel for the course was inspired by educator feedback. Algebra 2 v7.0 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

## **ANATOMY**

In this course students will explore the anatomy or structure of the human body. In addition to 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: INTRODUCTION**

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!

## **ANTHROPOLOGY I: UNCOVERING HUMAN MYSTERIES**

What makes us human? Is it our ability to use language? Is it our abstract thinking skills or our use of tools and technology? In Anthropology 1: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropologic lens to observe our movement from cave dweller to modern humans. 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. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability – how did we get this way?

## **ANTHROPOLOGY II: MORE HUMAN MYSTERIES UNCOVERED**

How does your culture influence you? Find out how different locations shape various cultures and, in turn, how these cultures shape people's lives around the world – from the jungles of the Amazon to the islands of Indonesia. Anthropology II: More Human Mysteries Uncovered provides a fascinating look at this puzzle of culture. Many of our ancient cultures and languages were shaped by the geographical locations of our ancestors, and 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. In looking back and learning about cultures through the ages, we are better equipped to understand the world around us today.

## **AP BIOLOGY A/B**

To generate skills for lifelong learning, 25 percent of the lessons in Advanced Biology use student-driven, constructivist approaches for concept development. The remaining lessons employ direct-instruction approaches. In both cases, the lessons incorporate multimedia-rich, interactive resources to make learning an engaging experience. The AP approach to advanced biology topics helps students achieve mastery of abstract concepts and their application in everyday life and in STEM-related professions.

## **AP CALCULUS A/B**

This course grounds the study of calculus in real-world scenarios and integrates it with the four STEM disciplines. The first semester covers functions, limits, derivatives and the application of derivatives. The course goes on to cover differentiation and antidifferentiation, applications of integration, inverse functions, and techniques of integration.

## **AP CHEMISTRY A/B**

Advanced Chemistry includes most of the 22 laboratory experiments recommended by the College Board to provide a complete advanced experience in a blended environment. More than 25 percent of the online lesson modules are inquiry-based and employ online simulations, data-based analysis, online data-based tools, and

—kitchen sink labs that require no specialized equipment or supervision. Many of the lessons include significant practice in stoichiometry and other critical, advanced chemistry skills.

### **AP COMPUTER SCIENCE A**

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.

### **AP ENGLISH LITERATURE & COMPOSITION A/B**

Each unit of Advanced English Literature and Composition is based on a researched scope and sequence that covers the essential concepts of literature at an AP level. Students engage in in-depth analysis of literary works in order to provide both depth and breadth of coverage of the readings. Units include Close Analysis and Interpretation of Fiction, Short Fiction, the Novel, and Poetic Form and Content. Writing activities reinforce the reading activities and include writing arguments, analysis, interpretation, evaluation, and college application essays.

### **AP FRENCH A/B (EDOPTIONS ONLY)**

Our online AP French Language & Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP French Language course prepares them for the AP French exam. Its foundation is the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century.

### **AP SPANISH A/B (EDOPTIONS ONLY)**

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

## **AP UNITED STATES HISTORY A/B**

This course develops critical thinking skills by encouraging multiple views as students realized that there are often multiple accounts of a single historical event that may not be entirely consistent. Electronic discussion groups encourage collaboration, and a variety of practice activities are provided, from multiple choice actions to advanced interactions. Units include: The Historical Process; Early America; Revolutionary America; The Civil War; Populism and Progressivism; the emergence of the U.S. as a world power; and contemporary themes.

## **ARCHEOLOGY: DETECTIVES OF THE PAST**

The famous Spanish philosopher and writer George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” We know from studying history how true this statement is, and the age-old field of archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. This fascinating course, Archaeology: Detectives of the Past, explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies. What is it like to uncover precious artifacts? How are they located and preserved? Find the answer to these questions and more as you learn how ancient discoveries can unlock the secrets of a long and colorful past.

## **ARTIFICIAL INTELLIGENCE**

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.

## **ASTRONOMY: EXPLORING THE UNIVERSE**

Building upon the prior prerequisite course, dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

## **ASTRONOMY: INTRODUCTION**

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

## **ASVAB MATHEMATICS**

The ASVAB is a test developed and maintained by the Department of Defense. ASVAB scores count toward the Armed Forces Qualifying Test (AFQT) score.

## **ASVAB TECHNOLOGY & GENERAL SCIENCE, PART 1**

The ASVAB is a test developed and maintained by the Department of Defense. ASVAB scores count toward the Armed Forces Qualifying Test (AFQT) score.

## **ASVAB TECHNOLOGY & GENERAL SCIENCE, PART 2**

The ASVAB is a test developed and maintained by the Department of Defense. ASVAB scores count toward the Armed Forces Qualifying Test (AFQT) score.

## **ASVAB WORD KNOWLEDGE & PARAGRAPH COMPREHENSION**

The ASVAB is a test developed and maintained by the Department of Defense. ASVAB scores count toward the Armed Forces Qualifying Test (AFQT) score.

## **BIOLOGY A/B**

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

Lab materials note: Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as a microscope, slides, or biological samples. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## **BUSINESS ENGLISH A/B**

Business English is designed to strengthen students' ability to read and write in the workplace. Writing for business purposes is a main focus of the course. Students will learn how to communicate effectively through email and instant messaging, as well as format specific types of business messages and workplace documents. The role of digital media, visuals, and graphics in workplace communication will be explored. The importance of professionalism, ethics, and other positive skills are also emphasized in the course. Additionally, guidance is provided to help students through the process of searching, applying, and interviewing for a job.

## **BUSINESS INFORMATION MANAGEMENT A/B**

The Semester A course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course has 20 lessons organized into five units, plus five Unit Activities. Each lesson contains one or more Lesson Activities. Additionally, there are two Course Activities that you need to work on throughout the duration of the course. These activities are long-term projects spread over the length of the course. The due dates for these activities are to be determined by the course instructor. This course will cover the needs for technology in business organizations and how businesses

use hardware, software, Internet, and emerging technologies. This course also covers productivity applications such as word processing software and spreadsheet software.

The Semester B course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course has 18 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. Additionally, there is a Course Activity that you will 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 the activity is to be determined by the course instructor. This course covers the use of presentation software for preparing, enhancing, and delivering business slideshows. It also covers how databases are used to store data and improve the decision-making capabilities of business organizations. Additionally, the course covers the principles of website design and project management in business organizations.

## **CHILD DEVELOPMENT & PARENTING A/B**

The Semester A course is intended to help you familiarize yourself with various aspects of child development and parenting. This course covers the fundamental concepts of parenting and the roles and responsibilities of parents. It also covers essential communication skills related to parent-child interaction. In addition, the course covers important workplace qualities and skills, such as positive work ethics, integrity, and time and resource management. It also covers technology and recent trends in parenting.

The Semester B course is intended to help you familiarize yourself with the various stages of child development as well as the factors that obstruct the healthy development of a child. This course has thirteen lessons organized into three units. This course explains the development, health, nutrition, and safety of children at various stages. In addition, the course covers career opportunities in the field of childcare and development.

## **CODING: INTRODUCTION TO PROGRAMMING**

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.

## **CODING: PROGRAMMING**

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.

## **COMPUTER PROGRAMMING A/B**

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.

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.

## **COMPUTING FOR COLLEGE & CAREERS A/B**

The Semester A course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course has 20 lessons organized into five units, plus five Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover basic computer hardware and software and productivity applications such as word processing software, spreadsheet software, and presentation software. This course also covers the Internet and emerging technologies.

The Semester B course is intended as a practical, hands-on guide to help you understand some of the advanced computer skills required during your college education or when pursuing a career. This course has 14 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover advanced concepts, such as computer networks, complex operations in spreadsheet and database programs, and the process of creating a website.

## **CONTEMPORARY WORLD A/B**

The Contemporary World is a year-long course designed to strengthen learners' knowledge about the modern world. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this course. Learners will explore the importance of geography, the influence of culture, and the relationship humans have with the physical environment. They will also focus on the responsibility of citizens, democracy in the United States, U.S. legal systems, and the U.S. economy. Ultimately, learners will complete this course as global citizens with an understanding of how to help and better their community and the world.

## **CREATIVE WRITING**

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

## **CREATIVE WRITING: UNLEASHING THE CORE OF YOUR IMAGINATION**

Writing can change the world. Think about the Declaration of Independence, the Bill of Rights, and Lincoln's 2nd Inaugural 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.



## **CULINARY ARTS II: BAKING, PASTRY, AND MORE!**

Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!

## **CULINARY ARTS A/B**

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.

Culinary Arts, Semester B, is a one-semester course that is intended to help you gain an 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.

## **CULINARY ARTS: FINDING YOUR PALATE**

Did you know that baking is considered a science? Discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. Explore careers in the culinary arts for ways to channel your newfound passion!

## **CULINARY ARTS: INTRODUCTION**

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

## **CYBERSECURITY: DEFENSE AGAINST THREATS**

Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. 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. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come.

## **CYBERSECURITY: FOUNDATIONS**

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept “secret”? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. 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. You’ll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

## **DIGITAL & INTERACTIVE MEDIA A/B**

The Semester A course is intended as a practical, hands-on guide to help you understand the concepts of digital and interactive media. This course will cover careers, training, and emerging technologies in digital media. This course familiarizes you with the concepts involved in digital media, such as graphic design, digital photography, principles of design, and digital printing. This course also covers copyright laws and fair use involved in digital media.

The Semester B course is intended as a practical, hands-on guide to help you understand the concepts related to digital communication systems, audio and video production, multimedia, animation, and digital publishing. This course will cover digital communication systems. This course familiarizes you with audio and video technologies. This course also covers digital media design, multimedia, and animation. In addition, this course teaches you how to create a web page, publish digital products, and create a digital portfolio.

## **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: DEVELOPING EARLY LEARNERS**

Discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare.

## **EARLY CHILDHOOD EDUCATION: INTRODUCTION**

Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

## **EARTH & SPACE SCIENCE A/B**

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school Earth and space science. Content topics

include Earth and space systems and interactions, the history of the Earth, the Earth's systems, weather and climate, climate change, and human impacts on the Earth.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## **ELECTRONIC COMMUNICATION SKILLS**

Electronic communication skills are important to achieve success in a wide range of careers. The Electronic Communication Skills course begins by describing basic computer hardware configurations and software. In this course, you will review career opportunities in the field of electronic communication. This course also covers different keyboard techniques used for entering data into a computer. Additionally, you will learn to use word processing and presentation software to create enhanced documents and presentations for your audience. Finally, you will learn about the role and applications of the Internet in electronic communication.

## **ENGLISH 8 A/B**

Extends the skills developed in English 7 through detailed study of parts of sentences and paragraphs to understand their importance to good writing. Students also acquire study skills such as time management and improved test-taking strategies. Other topics include punctuation, word choice, syntax, varying of sentence structure, subordination and coordination, detail and elaboration, effective use of reference materials, and proofreading.

## **ENGLISH I A/B**

Missouri English I, Semester A, is a single-semester course designed to cultivate reading comprehension and writing skills. In this course, you will read and analyze literature in several different genres. In addition, you will explore many types of writing, such as creative, descriptive, expository, narrative, and persuasive. Dramatic conventions and the structural elements of poetry are also a focus of this course. You will sharpen your writing skills as you evaluate literary works and informational texts by examining formal techniques, form, and writing structures.

Missouri English I, Semester B, is a single-semester course designed to cultivate your presentation, research, and analytical writing skills. In this course, you will read and analyze literature from several different genres, as well as argumentative texts and informational texts. As you read, you will examine the author's purpose, audience, and point of view. In this course, you will build your research skills by evaluating sources for credibility and bias, develop a research plan, and write a research paper. An important aspect of the research process will be synthesizing information and correctly citing research sources. This course will prepare you to give a presentation based on your research. Throughout this course you will sharpen your reading and writing skills.

## **ENGLISH II A/B**

Missouri English II A/B is a completely re-designed course that offers 100% alignment to the Missouri Learning Standards for English Language Arts. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners, and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. This new design offers learners multiple opportunities to experience the reading and writing connection via analysis tasks, and other opportunities to engage in research and experience writing across genres. Instructional best practices are embedded throughout lessons such as the close reading of texts and application of reading strategies. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons, are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials. This fresh new look and feel for the course was inspired by educator feedback. Missouri English II reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

## **ENGLISH III A/B**

Missouri English III A/B is a completely re-designed course that offers 100% alignment to the Missouri Learning Standards for English Language Arts. Semester A explores the relation between American history and literature from the colonial period through the realism and naturalism eras. Semester B explores the relation between American history and literature from the modernist period through the contemporary era and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.

## **ENGLISH IV A/B**

Missouri English IV A/B is a completely re-designed course that offers 100% alignment to the Missouri Learning Standards for English Language Arts. Recent content updates to this course include the addition of interpretation of visual elements in a text, representation of a subject in different mediums, and instruction around effective delivery of a speech. In keeping with the model established in Missouri English III, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain in semester A. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.

## **ENTREPRENEURSHIP A/B**

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.

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.

## **ENTREPRENEURSHIP: INTRODUCTION**

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

## **ENTREPRENEURSHIP: MAKE YOUR IDEA A REALITY**

You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

## **ESSENTIAL CAREER SKILLS**

This one-semester course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers. This course has 21 lessons organized into five units, plus five Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover essential career skills such as positive work ethics, teamwork, conflict resolution, effective speaking and listening, health and safety, and information technology.

## **EXERCISE SCIENCE**

This course takes an in-depth examination of the effects of exercise on the body. Through this course, 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.

## **FAMILY AND CONSUMER SCIENCE**

Family & Consumer Science prepares students with a variety of skills for independent or family living. Topics covered include child care, home maintenance, food preparation, money management, medical management, clothing care, and more. They also focus on household, personal, and consumer health and safety. In addition, students learn goal setting and decision-making skills, as well as explore possible career options.

## **FAMILY LIVING AND HEALTHY RELATIONSHIPS**

In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self- discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

## **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 MATHEMATICS A/B**

Financial Algebra is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.

## **FIRST AID AND SAFETY**

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

## **FITNESS BASICS 1**

This course provides students with a basic understanding of fitness and nutrition. 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 2**

This course provides students with a basic understanding of fitness and nutrition. 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 I**

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.

## **FITNESS FUNDAMENTALS II**

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.

## **FLEXIBILITY TRAINING**

This course focuses on the often-neglected fitness component of flexibility. Students establish their fitness level, set goals, and design their own flexibility training program. They study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles to flexibility training. This course explores 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. Students take a pre- and post fitness assessment. Throughout this course students also participate in a weekly fitness program involving flexibility training, as well as elements of cardio and strength training.

## **FORENSIC SCIENCE I: SECRETS OF THE DEAD**

Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, Forensic Science I: Secrets of the Dead may be for you. This course offers you the chance to dive into the riveting job of crime scene analysis. 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. By careful examination of the crime scene elements, even the most heinous crimes can be solved.

## **FORENSIC SCIENCE II: MORE SECRETS OF THE DEAD**

Every time a crime is committed, a virtual trail of incriminating evidence is left behind just waiting to be found and analyzed. In Forensic Science II: More Secrets of the Dead, you'll learn even more about the powerful science of forensics and how it has changed the face of crime and justice in our world. You will 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. The best way to battle crime these days is not with a weapon, but with science.

## **FORENSICS: THE SCIENCE OF CRIME**

We watch with interest as crime scenes are dramatized on television and in film, and sit on the edge of our seat as various members of the justice system solve the most baffling cases. But what about the science behind the crime? Forensics: The Science of Crime explores the role science and technology plays in this fascinating and growing career. In this course, you'll learn the specialized skills and techniques used during a crime scene investigation and how evidence and data is expertly collected, preserved, and analyzed. With a strong focus on the innovative science used in the field as well as participation in interactive activities, you will follow the entire forensic process – from examining evidence to taking the findings to trial – and learn how the professionals are utilizing science to bring criminals to justice.

## **GAME DEVELOPMENT**

This one-semester elective course is intended as a practical, hands-on guide to help you understand the process of game development.

This course is structured into lessons and Course Activities as follows:

- The first four lessons are about the history of video games, types of early consoles, arcades, personal computers, and platform convergence.
- The next four lessons deal with game and player goals, game genres, player motivations, and player demographics.
- The next four lessons provide students an understanding of story and character development, gameplay, game styles, and level design.
- The next four lessons discuss game user interface, game audio, mobile and social gaming, and the different job roles in the video game industry.
- The next three lessons focus on game development phases, the role of management in game production, and various methods used for marketing games.
- The final lesson is about the future of gaming; it discusses existing trends and possible directions in video gaming.

## **GEOMETRY A/B**

A comprehensive examination of geometric concepts, each lesson provides thorough explanations and builds on prior lessons. Step-by-step instruction and multiple opportunities for self-check practice develop skills and confidence in students as they progress through the course. The course features animations, which allow students to manipulate angles or create shapes, such as triangles, engage students in learning and enhance mastery. Labs extend comprehension by giving students hand-on experiences.

## **GOTHIC LITERATURE**

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 Shelley's Gothic drama, *The Cenci*, Mary



Shelley's classic Gothic novel, Frankenstein, Gothic parodies and Gothic subgenres, and modern Gothic literature.

### **GOTHIC LITERATURE: MONSTER STORIES**

Vampires, ghosts, and werewolves have lived in our collective imagination since the 18th century, and they continue to influence the world of fiction even today. 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. Are you brave enough to go beyond the fear and find an appreciation for the dark beauty of Gothic stories?

### **GREAT MINDS IN SCIENCE: IDEAS FOR A NEW GENERATION**

Sometimes there are simply more questions than answers. Does life exist on other planets? How extreme is the human ability to survive? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such 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. 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.

### **GROUP SPORTS**

This course provides students with an overview of group sports. Students learn about a variety of sports, yet do an in-depth study of soccer, basketball, baseball/softball, and volleyball. Students learn not only the history, rules, and guidelines of each sport, but 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 fitness assessments and participate in regular weekly physical activity.

### **HEALTH I: LIFE MANAGEMENT SKILLS**

What does it mean to be healthy? In the simplest terms, it means taking care of our body and mind. Explore the connections between your physical, mental, and social health. Learn how to promote better health by decreasing stress and finding a fuller vision for your life through lifestyle choices, interactions with others, healthcare, and making sensible dietary choices. Build your plan to ensure your overall health, happiness, and well-being!

### **HEALTH CAREERS**

In this course, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

## **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.

## **HISET® - LANGUAGE ARTS - READING PART 1**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (LA-Reading Part 1)

## **HISET® - LANGUAGE ARTS - READING PART 2**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (LA-Reading Part 2)

## **HISET® - LANGUAGE ARTS - WRITING PART 1**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (LA-Writing Part 1)

## **HISET® - LANGUAGE ARTS - WRITING PART 2**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (LA-Writing Part 2)

## **HISET® - MATHEMATICS PART 1**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (MA-Part 1)

## **HISET® - MATHEMATICS PART 2**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (MA-Part 2)

## **HISET® - SCIENCE PART 1**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (Science-Part 1)

## **HISET® - SCIENCE PART 2**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (Science-Part 2)

## **HISET® - SOCIAL STUDIES PART 1**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (SS-Part 1)

## **HISET® - SOCIAL STUDIES PART 2**

The HiSET exam measures the skills and knowledge similar to a high school course of study and allows learners to receive their high school equivalency certifications. (SS-Part 2)

## **HISTORY OF THE HOLOCAUST**

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

## **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 origins of anti-Semitism. You will learn about the early life of Hitler and his rise to power. 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.

## **HOPE 1 (HEALTH OPPORTUNITIES THROUGH PHYSICAL EDUCATION)**

This comprehensive health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

## **HOPE 2 (HEALTH OPPORTUNITIES THROUGH PHYSICAL EDUCATION)**

This comprehensive health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

## **HOSPITALITY & TOURISM: TRAVELING THE GLOBE**

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

## **HOSPITALITY AND TOURISM II A/B: HOTEL AND RESTAURANT MANAGEMENT**

If you love working with people, a future in hospitality may be for you. In Part 1 of Hospitality and Tourism 2: Hotel and Restaurant Management, you will learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. As well, you will discover trends and technological advances that makes each industry exciting and innovative. In Part 1, you can explore a variety of interesting job options from Front Desk and Concierge services to Maître d and food service.

Take the next steps towards an exciting and fast-paced career with Hospitality and Tourism 2b: Hotel and Restaurant Management. Build on the skills you learned in 2a and delve deeper into one of the fastest growing industries in North America. You'll learn how to open and run your own hotel or restaurant, while reviewing the laws, regulations, and financial structure that constitute restaurant operations. Hone your management, communication, and leadership skills and explore the HR policies and processes that will help guide you to source the right talent for your business. You will also learn the importance of how to market your hotel or restaurant through networking, technology, and social media.

## **HUMAN AND SOCIAL SERVICES: INTRODUCTION**

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human & Social Services, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you

are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

## **HUMAN GEOGRAPHY: OUR GLOBAL IDENTITY**

Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.

## **INDIVIDUAL SPORTS**

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, 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 flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and "green" options for homes and businesses. 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.

## **INTERNATIONAL BUSINESS**

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.

## **INTERNATIONAL BUSINESS: GLOBAL COMMERCE IN THE 21ST CENTURY**

Imagine meeting with suppliers at an office in Europe while calling your salesroom that's back in Asia. Imagine investing in foreign markets and visiting partners in exotic locales. With the evolution of current technology, our world is more connected than ever before, and the business community today is larger than ever. 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 ANDROID MOBILE APP DEVELOPMENT

This one-semester course is intended to familiarize you with the knowledge and skills required for a career in Android mobile app development. This course has 12 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities.

In Introduction to Android Mobile App Development, you will learn about the history of and upcoming trends in mobile app development. You will explore career options in mobile app development, and describe the skills and training required for mobile app development. You will also describe various platforms to develop Android mobile apps. Further, you will learn about the Android development environment. Finally, you will create the user interface of an app and make it interactive in Android Studio.

## INTRODUCTION TO ANTHROPOLOGY

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.

This course is structured into lessons and Course Activities as follows:

\*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.

\*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.

\*In lesson 9, you will learn about kinship and descent, and in lesson 13, you'll explore the concepts of race, caste, and ethnicity.

\*Lessons 10, 12, and 14 delve into various social institutions—marriage and family, religion and belief systems, and political institutions respectively.

## INTRODUCTION TO ARCHAEOLOGY

This one-semester course is intended as an engaging and practical survey of the field of archeology. The course is structured into lessons and Course Activities as follows:

- The first lesson discusses archaeology as a field of study.
- The next lesson discusses the history and evolution of modern archaeology, and how modern archaeology differs from traditional archaeology.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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.

## **INTRODUCTION TO ASTRONOMY**

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.

## **INTRODUCTION TO COACHING**

This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition and sports psychology, as well as safety, conditioning, and cross-training. Students will 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 CRIMINOLOGY**

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:

- The first lesson discusses criminology as a field of study.
- The next two lessons discuss theories, which suggest that people engage in crime to satisfy self-interests and individual traits influence criminal behavior.
- 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.
- 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.
- 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.
- 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.
- 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.

- The last lesson familiarizes you with the theory that focuses on preventing the escalation of serious crimes in a community

## **INTRODUCTION TO CULINARY ARTS A/B**

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.

Culinary Arts, Semester B, is a one-semester course that is intended to help you gain an 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.

## **INTRODUCTION TO CYBERSECURITY**

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.

## **INTRODUCTION TO ENTREPRENEURSHIP A/B**

This one-semester 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.

This one-semester 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.



## **INTRODUCTION TO FASHION DESIGN**

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.

## **INTRODUCTION TO FINANCE**

This one-semester course is intended to help you familiarize yourself with the basic and essential concepts of finance. This course has twenty-one lessons organized into five units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities. This course will cover the fundamental concepts of finance, including the importance of finances and financial planning in personal life and business, ways to manage finances, different investment strategies, and various career options available in the field of finance.

## **INTRODUCTION TO FORENSIC SCIENCE**

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 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 GROUP SPORTS 1**

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

## **INTRODUCTION TO GROUP SPORTS 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 INDIVIDUAL SPORTS 1**

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

## **INTRODUCTION TO INDIVIDUAL SPORTS 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 IOS MOBILE APP DEVELOPMENT**

This one-semester course is intended for you to familiarize yourself with the knowledge and skills required for a career in iOS mobile app development. This course has 12 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities.

In Introduction to iOS Mobile App Development, you will learn about the history of and upcoming trends in mobile app development. You will explore career options in mobile app development, and describe the skills and training required for mobile app development. You will also describe various platforms for developing iOS mobile apps. Further, you will learn about the iOS development environment. Finally, you will create the user interface of an app and make it interactive in XCode.

## **INTRODUCTION TO MARINE BIOLOGY**

This one-semester course is intended to help you familiarize yourself with the knowledge and skills required for a career in marine biology. This course has 15 lessons organized into four units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities.

In the Introduction to Marine Biology course you will explore the fundamental concepts of marine biology. You will learn about the formation and characteristic features of the oceans. You will also learn about the scientific method and explore careers available in marine biology. The course will introduce you to the characteristic features of different taxonomic groups found in the ocean. You will learn about the different habitats, life forms, and ecosystems that exist in the oceans and explore the different types of adaptations marine creatures possess to survive in the ocean. You will learn about succession and the flow of energy in marine ecosystems. Finally, you will also learn about the resources that the oceans provide and the threats that the oceans face from human activities.

## **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 I**

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

## **INTRODUCTION TO NURSING II**

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

## **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 PHILOSOPHY: THE BIG PICTURE**

This course will take you on an exciting adventure that covers more than 2500 years. Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll read about another man who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you read about them, you'll see where many of the most fundamental ideas of Western civilization came from. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. At the end, you'll have a better understanding of yourself and the world around you, from atoms to outer space and everything in between.

## **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 SOCIAL MEDIA: OUR CONNECTED WORLD**

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Instagram, Pinterest, 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.

## **INTRODUCTION TO WORLD RELIGIONS**

This one-semester course is intended to help you understand the origin, beliefs, and practices related to various world religions.

This course includes 14 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. The lessons cover the following topics:

- The first lesson introduces the concept of religion and discusses different approaches to studying world religions.
- The next lesson discusses the origins, beliefs, and practices related to some primal religions.
- The next eleven lessons discuss the origins, beliefs, and practices related to various world religions.
- The final lesson discusses the origins, beliefs, and practices related to some contemporary religious movements.

## **LAW & ORDER: INTRODUCTION TO LEGAL STUDIES**

Imagine if there were no laws and people could do anything they wanted. It's safe to say the world would be a pretty chaotic place! Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Laws are essential to preserving our way of life and must be established and upheld in everyone's best interest. In *Law and Order: Introduction to Legal Studies*, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.

## **LEARNING IN A DIGITAL WORLD: STRATEGIES FOR SUCCESS**

The digital world seems to change every day, and touch more of our lives. We use technology to communicate with friends and family, find never-ending entertainment options, follow our favorite sports teams and fashion trends, and do our school work. In *Learning in a Digital World* you will get the tools to navigate this exciting and always changing world. Learn about real-world issues and how to solve real-world problems through interactive and hands-on assignments. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts.

## **LIFE SCIENCE A/B**

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school life science. Content topics include cells and human body systems, structure and functions of living organisms, genes and adaptations, evolution, energy flow in ecosystems, and interdependence of ecosystems.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## **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.

## **LIFE SKILLS: NAVIGATING ADULTHOOD**

What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count!

## **LIFETIME AND LEISURE SPORTS**

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of martial arts, Pilates, fencing, gymnastics, and water sports. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the components of fitness, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

## **MARINE SCIENCE: SECRETS OF THE BLUE**

Have you ever wondered about the secrets of the deep, and how the creatures below the ocean's surface live and thrive? It is truly a new frontier of discovery, and in Marine Science you will begin to better understand the aquatic cycles, structures, and processes that generate and sustain life in the sea. Through the use of scientific inquiry, research, measurement, and problem solving, you will conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science. You will also have the opportunity to use technology and laboratory instruments in an academic setting. By recognizing the inherent ethics and safety procedures necessary in advanced experiments, you will become progressively more confident in your abilities as a capable marine scientist.

## **MATH 7 A/B**

Math 7 builds on material learned in earlier grades, including fractions, decimals, and percentages and introduces students to concepts they will continue to use throughout their study of mathematics. Among these are surface area, volume, and probability. Real-world applications facilitate understanding, and students are provided multiple opportunities to master these skills through practice problems within lessons, homework drills, and graded assignments.

## **MIDDLE SCHOOL CODING 1 A/B**

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.

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 HEALTH SCIENCE**

Where do healthcare workers spend their days? What do they really do? From cruise ships to sports arenas, you can find healthcare workers in many places that you might not expect. Explore this field, including what it would be like to work in a medical lab. Learn what it takes to keep you and your patients safe, and begin to learn about the human body and basic first-aid.

## **MIDDLE SCHOOL EXPLORING INFORMATION TECHNOLOGY**

Are you interested in creating a website or app, or managing various technology solutions, but not sure where to start? If so, then it's time to explore the different career options available to you in IT and learn the foundations of IT to get you started. Examine various IT pathways of web and digital communications, information and support services, network systems, and programming and software development. Let's investigate which career pathway is right for you!

## **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 FITNESS**

Are you physically fit? What does being fit mean to you? Physical fitness is a lot more than just a number on a scale, and that's exactly what you'll learn in this course! Middle School Fitness helps you understand the basics of

being physically fit and allows for a deeper understanding of your body's functions. You will learn about the complex science behind exercise and determine how you can test your current level of fitness. Explore what it means to be mindful and discover what inspires you. Improving your physical fitness is a smart choice to make at any age, and by signing up for this course, you will be taking the first step on your exciting journey to understanding and improving your physical fitness.

### **MIDDLE SCHOOL GAME DESIGN 1 A/B**

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.

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.

### **MIDDLE SCHOOL JOURNALISM: TELL YOUR STORY**

Are you someone who likes to get the story straight? Do you always want to know more? Who? What? When? Where? How? These are the details that make for a great story. Knowing how to find these key facts and then write them up in a way that makes it easy for others to read about it is the skill of a true journalist. 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. Get ready to break that news!

### **MIDDLE SCHOOL WORLD HISTORY A/B**

In Middle School World History, learners will study major historical world events from early human societies through to the present day. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this year-long course. They will explore the development of early humans and early civilizations. They will be introduced to the origins of major world religions, such as Hinduism and Buddhism. Also, learners will study the medieval period. Historical thinking and geography skills will be taught and utilized throughout the course.

### **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.

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.

### **MYTHOLOGY & FOLKLORE: LEGENDARY TALES**

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years. Mythology and Folklore: Legendary Tales will illustrate how these famous anecdotes have helped humans make sense of the world. Beginning with an overview of mythology and different types of folklore, you will journey with age-old heroes as they slay dragons, outwit gods, defy fate, fight endless battles, and outwit clever monsters with strength and courage. You'll explore the universality and social significance of myths and folklore and see how these powerful tales continue to shape society even today.

### **NATIVE AMERICAN STUDIES: CONTEMPORARY PERSPECTIVES**

This course examines the social, economic, religious, and political issues that Native Americans face in today's world. It looks at a number of Native American professionals and their efforts to eradicate the negative stereotypes that still surround Native American cultures. The course also sheds light on the important contributions that Native Americans have made to art and spirituality. And it demonstrates how both Native American traditions and the fight for Native American civil rights have shaped the history and social fabric of the United States.

### **NATIVE AMERICAN STUDIES: HISTORICAL PERSPECTIVES**

When European settlers first arrived in the Americas, they found the continent already inhabited. The cultural differences between the Native Americans and Europeans, as well as their desire to occupy the same land, often led to conflict. Tensions increased over time as Europeans moved westward to establish settlements. The US government, eager for more land, imposed a number of controversial policies on Native Americans, including assimilation, forced removal, and military intervention. This course examines the persecution of Native Americans and their fight for civil rights and recognition throughout US history.

### **NUTRITION**

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

### **NUTRITION & WELLNESS**

Have you ever heard the phrase “your body is your temple” and wondered what it means? 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. Making sure you know how to locate, buy, and prepare fresh delicious food will make you, and your body, feel amazing. Impressing your friends and family as you nourish them with your knowledge? That feels even better.

## **OUTDOOR SPORTS**

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of hiking and orienteering, golf, and dual volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

## **PEER COUNSELING**

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

## **PERSONAL & FAMILY FINANCE**

We all know money is important in life. But how important? In fact, the financial decisions you make today may have a lasting effect on your future. Rather than feeling anxious about money feel empowered by learning how to make smart decisions! Personal and Family Finance will begin the conversation around how to spend and save your money wisely, investing in safe opportunities and the days ahead. Learning key financial concepts around taxes, credit, and money management will provide both understanding and confidence as you begin to navigate your own route to future security. Discover how education, career choices, and financial planning can lead you in the right direction to making your life simpler, steadier, and more enjoyable.

## **PERSONAL FINANCE**

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 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.

## **PERSONAL FITNESS**

What does being fit really mean? Is it just based on physical appearance or is it something deeper? Though we strive to be healthy and make sensible choices, it's difficult to know how to achieve this. It's not only about losing

weight or lifting a heavy barbell; in Personal Fitness you will learn about body functions, safety, diet, goals, and strategies for longevity. Human beings, in both body and mind, are complex and highly sensitive organisms that need the right attention to physically excel and feel great. Being fit is about living life to the fullest and making the most of what you have—yourself! Explore the world of healthy living and see how real fitness can be achieved through intention, effort, and just the right amount of knowledge.

## **PERSONAL HEALTH AND FITNESS**

This combined health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

## **PERSONAL PSYCHOLOGY I: THE ROAD TO SELF-DISCOVERY**

Have you ever wondered why you do the things you do? Have you asked yourself if self-knowledge is the key to self-improvement? Are you interested in how behavior changes as we age? Psychology can give you the answers! In Personal Psychology I: The Road to Self-Discovery, you will trace the development of personality and behavior from infancy through adulthood. You will come to learn more about perception and consciousness and better understand the role of sensation. Are you ready to explore the world of human behavior? Come explore all that psychology can offer to help you to truly understand the human experience.

## **PERSONAL PSYCHOLOGY II: LIVING IN A COMPLEX WORLD**

Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? Personal Psychology II: Living in a Complex World will you to explore what makes you 'you'. Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now!

## **PERSONAL TRAINING CAREER PREP**

This course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training.

## **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 inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school physical science. Content topics include structure and properties of matter, chemical reactions, forces and motion, force fields, energy, and waves. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher’s Guide for details on lab materials.

## **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.

## **PRINCIPLES OF BUSINESS, MARKETING & FINANCE A/B**

The Semester A course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers in the business, marketing and finance cluster. This course has 17 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various topics in the business, marketing and finance cluster.

The Semester B course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers in the business, marketing and finance cluster. This course has 19 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 business, marketing and finance cluster.

## **PRINCIPLES OF EDUCATION & TRAINING A/B**

The Semester A course is intended to help familiarize you with career opportunities in the education and training career cluster. This course covers career opportunities in the three pathways in the education and training cluster—administration, education, and professional support. In addition, the course covers personal and professional skills that are necessary for a career in this field.

The Semester B course is intended to help familiarize you with teaching strategies as well as the importance of child growth and development for educators. This course explains child development, health, nutrition, and safety requirements for children. In addition, the course covers teaching strategies as well as technologies that can aid educators.

## **PRINCIPLES OF ENGINEERING & TECHNOLOGY A/B**

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.

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.

### **PRINCIPLES OF GOVERNMENT & PUBLIC ADMINISTRATION A/B**

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.

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.

### **PRINCIPLES OF HOSPITALITY & TOURISM A/B**

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.

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.

### **PRINCIPLES OF HUMAN SERVICES A/B**

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.

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.

### **PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY A/B**

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. 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.

## **PRINCIPLES OF PUBLIC SERVICE: TO SERVE & PROTECT**

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!

## **PROBABILITY & STATISTICS**

This course is designed for students in grades 11 and 12 who may not have attained a deep and integrated understanding of the topics in earlier grades. Students acquire a comprehensive understanding of how to represent and interpret data; how to relate data sets; independent and conditional probability; applying probability; making relevant inferences and conclusions; and how to use probability to make decisions.

## **PROFESSIONAL COMMUNICATIONS**

This one-semester course is intended as a practical, hands-on guide to help you familiarize with the communication skills required in a profession. This course has 13 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the communication overview including the communication process, elements of effective communication, and barriers to communication. This course familiarizes you with reading, writing, speaking, and listening skills needed for general communication. Professional Communications also familiarizes you with communication skills required in business organizations. These skills equip you with the ability to appear for job interviews, participate in group discussions, and solve workplace problems. You also learn about the use of technology in communication.

## **PSYCHOLOGY A/B**

The Semester A course is intended for you to familiarize yourself with the concepts and theories of psychology. This course has 13 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. In Psychology, Semester A, you will trace the history of psychology and examine key psychological theories. You will discuss human development and explain how the nervous and endocrine systems affect human development and behavior. You will explain various theories related to language development and acquisition. You will discuss the influence of heredity, environment, society, and culture on human behavior. The Semester B course is intended for you to familiarize yourself with various theories of psychology and analyze

human behavior. This course has 12 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. In Psychology, Semester B, you will explain the established theories of cognitive, psychosocial, and moral development. You will identify the factors that influence interpersonal relationships, recognize the origins and effects of violence, and describe prevention and treatment options for addictive behavior. You will explain abnormal behavior and describe different types of psychological disorders. You will trace the history of psychological counseling and therapy and describe strategies used for problem solving and coping with stress. You will describe some key statistical concepts used in psychological research and testing, and identify career opportunities in psychology.

### **PUBLIC SPEAKING: FINDING YOUR VOICE**

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.

### **PUBLIC SPEAKING: INTRODUCTION**

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.

### **READING AND WRITING FOR PURPOSE**

This course introduces useful, real-world information by having students learn to read legal, insurance, employment, and vehicle related documents. Furthermore, students will explore media bias, trends in journalism, word structures, and research strategies. To entrench real-world applications, students will learn how to critically read, identify good sources of information, and create an outline, making this course an asset to building life and study skills.

### **REAL WORLD PARENTING**

Do you love children? Maybe you dream of being a parent someday. But perhaps you are also asking yourself, just how, exactly, do you learn to parent? Learning how to care for children while teaching them confidence and accountability is not an easy feat. In Real-World Parenting, you'll learn that being a parent is much more than simply feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are all critical aspects as well. You'll learn how to be a positive force in the development of your future children as well as others around you.

### **RENEWABLE TECHNOLOGIES: INTRODUCTION**

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

## RESTAURANT MANAGEMENT

Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

## REVOLUTIONARY IDEAS IN SCIENCE

This one-semester course is a guide to help you understand the history of science from prehistoric to modern times. You will learn about inventions and discoveries in various fields of science, such as physics, chemistry, biology, genetics, computer science, Earth sciences, and astronomy.

This course includes 15 lessons and five Course Activities. Each lesson contains one or more Lesson Activities. The lessons cover the following topics:

\*The first two lessons discuss the science that prevailed in prehistoric and ancient periods.

\*The next two lessons discuss the scientific revolution and the contributions of Sir Isaac Newton to the field of science.

\*The next two lessons describe the discoveries and inventions in various branches of physics, such as thermodynamics, electricity, electromagnetism, and quantum mechanics.

\*The next lesson describes various discoveries and inventions related to the cosmos.

\*The next two lessons discuss the history of chemical sciences and discoveries related to atoms and molecules.

\*The next two lessons describe Charles Darwin's theory of evolution and the discoveries related to genetics and biotechnology.

\*The next two lessons describe the discoveries and inventions related to human anatomy and medicine.

\*The next lesson describes discoveries related to Earth sciences.

\*The final lesson describes various inventions in the field of computer science.

## RUNNING

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

## SAT® MATHEMATICS

The SAT assesses academic readiness for college. It keeps pace with what colleges are looking for today, measuring the skills required for success in the 21st century. Our course prepares students to take the test by learning the content ideas they will be tested on. (Mathematics)

## **SAT® READING**

The SAT assesses academic readiness for college. It keeps pace with what colleges are looking for today, measuring the skills required for success in the 21st century. Our course prepares students to take the test by learning the content ideas they will be tested on. (Reading)

## **SAT® WRITING & LANGUAGE**

The SAT assesses academic readiness for college. It keeps pace with what colleges are looking for today, measuring the skills required for success in the 21st century. Our course prepares students to take the test by learning the content ideas they will be tested on. (Writing & Language)

## **SCIENCE 6 A/B**

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a sixth-grade integrated science course (NGSS Appendix K: Modified Conceptual Progression Model, p. 19), focusing on basic physical science, Earth and space science, and ecosystems. Content topics include structure and properties of matter, forces and motion, the Earth and space, the history of the Earth, the interdependence of ecosystems, and weather and climate.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## **SCIENCE 7 A/B**

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a seventh-grade integrated science course (NGSS Appendix K: Modified Conceptual Progression Model, p. 19), focusing on cells, the life cycle, nutrition, chemical reactions, force fields, and energy. Content topics include cells and human body systems, the life cycle, nutrition and energy, chemical reactions, force fields, and energy.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

## **SCIENCE 8 A/B**

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with an eighth-grade integrated science course (NGSS Appendix K: Modified Conceptual Progression Model, p. 19). Content topics include genes and adaptations, evolution, energy and the Earth, the Earth's changing climate, waves, and technology and human impacts on the Earth.



Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher’s Guide for details on lab materials.

## **SOCIAL ISSUES**

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.

## **SOCIAL PROBLEMS I: A WORLD IN CRISIS**

War, crime, poverty, global warming our world often seems full of dire warnings and predictions. How can we make sense of it all and still dare to step outside each day? 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. Whether you want to save the world from the next pandemic or better understand the effects of the media on society, this course will help you develop a plan of action!

## **SOCIAL PROBLEMS II: CRISIS, CONFLICTS & CHALLENGES**

It may seem like we live in a sometimes scary and ever-changing world. Everywhere we “look” from the homeless living on the streets, to world-wide health epidemics, to the often negative effects of our global world problems seem to appear at every corner. In Social Problems II: Crisis, Conflict, and Challenges, you’ll explore more of the challenges we face and learn what we can do to reduce the effects of these conflicts and problems. From drug abuse to terrorists to the changing nature of communities in our digital world, we can better face and solve these problems when we have a deeper understanding of their causes and influences on our lives.

## **SOCIOLOGY**

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.

This course is structured into lessons and Course Activities as follows:

\*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.

\*In the fourth lesson, you’ll learn about the contributions of pioneering sociologists to the field.

\*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.

\*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.

\*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.

\*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.

## **SOCIOLOGY I: THE STUDY OF HUMAN RELATIONSHIPS**

Human beings are complex creatures; however, when they interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Sometimes it can feel as if there are more questions than answers. Sociology I: The Study of Human Relationships seeks to answer these questions and many more as it explores culture, group behavior, and societal institutions and how they affect human behavior. You'll learn how social beliefs form and how this shapes our lives. How does this happen? Join us and find out!

## **SOCIOLOGY II: YOUR SOCIAL LIFE**

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

## **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.

## **STRENGTH TRAINING**

This one-semester course by Carone Fitness focuses on the fitness components of muscular strength and endurance. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training.

## **STRUCTURE OF WRITING**

This semester-long course focuses on building good sentences. Students will learn how to put words, phrases, and clauses together and how to punctuate correctly. They will start using sentences in short compositions. As an extra bonus, students will add some new words to their vocabulary, and they will practice spelling difficult words. Near

the end of the course, students are to submit a book report. Early in the course, encourage students to start looking for the books they want to read for the book report. They might also preview the introduction to that lesson so they know what will be expected.

## **UNITED STATES GOVERNMENT**

The interactive, problem-centered, and inquiry-based units in U.S. Government emphasize the acquisition, mastery, and processing of information. Semester A units include study of the foundations of American government and the American political culture, with units 2 and 3 covering the U.S. constitution, including its roots in Greek and English law, and the various institutions that impact American politics.

## **WALKING FITNESS**

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

## **WEB TECHNOLOGIES A/B**

The Semester A course is intended as a practical, hands-on guide to help you understand the concepts of website design. This course guides you how to create a website using web technologies. This course has 14 lessons organized into 4 units, plus 4 Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover careers in web technology, uses of web technology, and emerging trends in web technology. It also covers principles of design and creation of graphics. In addition, the course covers Internet protocols, web development tools, and client-server processing. The course also covers web page creation using HTML and style sheets. Finally, the course covers website design and the web development process.

The Semester B course is intended as a practical, hands-on guide to help you understand advanced concepts of website design and concepts related to desktop publishing and multimedia. This course has 14 lessons organized into 4 units, plus 4 Unit Activities. Each lesson contains one or more Lesson Activities. This course covers the creation of desktop publishing and multimedia projects. It also covers legal and ethical issues related to the Internet and website design. In addition, this course covers web page creation using JavaScript. It also covers DHTML and XML. The course additionally covers how to gather requirements from the client, plan out website development, create a wireframe, and create and publish a website. Finally, the course covers web maintenance and web administration.

## **WOMEN'S STUDIES: A PERSONAL JOURNEY THROUGH FILM**

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

## **WOMEN'S STUDIES**

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 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.

## **WORKPLACE AND INTERNSHIP READINESS: PREPARING FOR WORK & LIFE**

Starting your first “real” job can be intimidating. But when you know what to expect and learn how to be successful, you’ll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!

## **WORLD GEOGRAPHY A/B**

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to exploring it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.

## **WORLD RELIGIONS: EXPLORING DIVERSITY**

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