Marcellus High School
Course Description Guide

Marcellus
COMMUNITY SCHOOLS

Revised 2026-27

These courses meet the Michigan Merit Curriculum Requirements.

English 9 A/B (1 year, each semester .5 credit)

The first semester consists of the study of English grammar and usage with an emphasis on "writing to be understood." The second semester consists of the study of literature (short stories, poetry, Shakespeare and *Romeo and Juliet*, various non-fiction articles). In addition, students may be required to make an oral book report on independent student reading.

English 10 A/B (1 year, each semester .5 credit, Prerequisite English 9 A/B)

10th grade English is a year-long literature survey class. The class covers literary terminology, vocabulary building, test taking strategies, and several literary genres.

English 11 A/B (1 year, each semester .5 credit, Prerequisite English 10 A/B)

Concentration on reading, thinking, writing, and speaking. The (English) through the Medieval Period (Middle English) to the English Renaissance (Modern English). While studying English literature, the student will read selections from classics of each time period *Beowulf,* the Venerable Bede, Sir Thomas Malory, Chaucer's *Canterbury Tales*, Shakespeare, Christopher Marlowe. In addition, the student will make speeches on a variety of subjects and will be required to create a portfolio of academic skills, personal management skills, and teamwork skills. Students will also learn to create business letters, resumes, and other school to work related documents and learn about the job interview process.

English 12 A/B (1 year, each semester .5 credit, Prerequisite English 11 A/B)

English 12 is a yearlong required course that will enable students to become skilled readers of a wide range of literature, including prose, poetry, and short stories. Students are expected to read and respond to a variety of literature, independently, in group discussion and in writing. All facets of language arts - listening, speaking, reading, writing will be covered. The study of language in use – grammar, mechanics, sentence structure, and usage will be incorporated in this yearlong course as well.

Algebra (1 year, each semester .5 credit)

The course emphasizes algebraic language, structure, concepts and skills. Major topics include algebraic properties and the real number system with an emphasis on the application of basic operations, functions and their graphs, linear equations and inequalities, quadratic equations, linear regression and modeling, systems of linear equations and inequalities, polynomial and factoring, algebraic fractions and real world applications.

Geometry (1 year, each semester .5 credit)

Geometry builds on a number of key geometric topics developed in the middle grades, namely relationships between angles, triangles, quadrilaterals, circles, and simple three-dimensional shapes. Students will study deductive reasoning, plane figures, trigonometry, and geometric relationships that have the goal of improving a student's mathematical thinking and problem solving skills.

Algebra II (1 year, each semester .5 credit)

Topics learned in this course include linear functions and systems, quadratic functions and their

equations, polynomial functions, rational functions, rational exponents and radical functions, exponential and logarithmic functions, trigonometric functions, statistics and probability.

AP Pre-Calculus (1 year, each semester .5 credit, Prerequisite Algebra, Geometry and Algebra II)

This course is designed to prepare students for success in calculus and other advanced math and science courses. This course develops students' understanding of functions as foundational tools for modeling change and solving real-world problems across disciplines. Through the study of polynomial, rational, exponential, logarithmic, and trigonometric functions, students build a deep conceptual and procedural knowledge of mathematical relationships. Emphasis is placed on modeling, graphing, interpreting, and analyzing functions using multiple representations, including algebraic, graphical, and numerical forms. Students engage in both abstract reasoning and practical applications, laying the groundwork for future study in STEM fields.

AP Calculus (1 year, each semester .5 credit, Prerequisite Algebra, Geometry, Algebra II & Pre-Calculus)

Topics learned in this course include limits and continuity, differentiation: definition and basic derivative rules, differentiation: composite, implicit and inverse functions, contextual applications of derivation, analytical applications of differentiation, integration and accumulation of change, differential equations, and applications of integration.

Math Applications (1 year, each semester .5 credit)

Math Applications is a course designed to strengthen students' math skills. This course will focus on areas and concepts in math that the group of students is having difficulty with. Concentrating on these concepts and areas of difficulty will improve students' math content knowledge, test scores, and application.

Financial Literacy (1 year, each semester .5 credit)

During semester 1 students will learn the foundations of personal finance, personal savings budgeting, debt, consumer awareness, bargain shopping and prepare for life after high school. The second semester includes gaining understanding about Investing and retirement, insurance, money and relationships, careers and taxes, and giving.

Biology A/B (1 year, each semester .5 credit)

This is a two semester course where students will explore basic biological concepts including the characteristics of living things, cell structure and function, genetics, evolution, and biodiversity.

Biology II A/B (1 year, each semester .5 credit)

An advanced level biology course with a strong laboratory emphasis. The course builds on the concepts introduced in Biology I, such as microbiology, heredity, and genetics. Although not a required prerequisite, information covered in Chemistry is helpful.

Chemistry A/B (1 year, each semester .5 credit)

Students will develop the model of the atom and will use the model to explain properties of matter, energy transformation, and changes that occur within matter. Writing formulas, naming of materials, and explaining chemical equations will also be discussed. Students will use their knowledge of atomic structure and matter to discuss chemical reactions, rates of change, and

changes in chemical energy that occur during these reactions. Chemical quantities and their relationships will also be explored.

Physical Science A/B (1 year, each semester .5 credit)

Applied physical science is a course taken by all ninth grade students. Content for the course includes subjects in physics and chemistry. Students will receive a working knowledge of basic chemistry and physics to prepare them for these two courses in high school. Students will learn about and keep an interactive journal of content they learn in class. Learning activities will include reading science articles and texts, note taking, station labs, internet research and activities, an independent science project and whole group and small group discussions.

Physics A/B (1 year, each semester .5 credit)

The course is designed for students to explore and apply the principles of technology in a classroom setting with hands-on laboratory activities. Within each chapter are several pages that cover topics such as motion, forces, electricity, magnetism, waves, and quantum physics

Integrated Physics and Chemistry (1 year, each semester .5 credit)

This high school integrated physics and chemistry course introduces students to fundamental principles governing the physical world. Through hands-on experiments, mathematical problem-solving, and critical thinking, students develop a deep understanding of motion, forces, energy, waves, and electricity, the basic principles that govern matter and chemical interactions. Through hands-on experiments and practical examples, they develop a solid understanding of the molecular world.

Advanced High School Chemistry Course (1 year, each semester .5 credit)

In this challenging chemistry course, students delve deeper into the molecular world, exploring complex concepts and applications. Through hands-on experiments and theoretical investigations, they develop a deeper understanding of chemical phenomena.

Advanced High School Physics (1 year, each semester .5 credit)

This rigorous high school physics course delves deeper into the fundamental principles that govern our universe. Students explore complex topics, engage in mathematical modeling, and develop critical analytical skills. It requires a solid understanding of algebra and geometry which should both be completed with a high grade before taking this course.

World History A/B (1 year, each semester .5 credit)

This course in the first semester covers the significant events beginning with the early river civilizations to the 13th century, with emphasis on the political, social, industrial, cultural, geographical and ideological developments which shape our world. The second semester covers the significant events beginning with the 14th to the 20th centuries with emphasis on the political, social, industrial, cultural, geographical and ideological developments which shape our world today. The purpose of the course is to help the student become more aware of how the world has developed as it has, and its relationship to what is occurring throughout the world today.

U.S. History A/B (1 year, each semester .5 credit)

Students will gain an understanding of United States history from Industrialism to the present day. Students will learn how events and politics of this time changed the course of U.S. History

to the current day. This course will help students understand some of the issues of our country and how to be productive and informed members of society.

Economics (1 semester, .5 credit)

The workings of the American market economy is the major focus. Studies in the course include basic economic principles, the factors of production, economic systems, demand, supply, equilibrium, elasticity, business structures, types of competition, government involvement in the economy, sources of government revenue, and a host of other economic topics.

Government (1 semester, .5 credit)

The study of the development of the United States Government: its historical foundations and English roots, the history of the American Colonies, the American Revolution, the weaknesses of the Articles of Confederation, the creation of the United States Constitution, and the function and form of the United States Government today. The student will also learn about the form and function of the state governments and their relationship with the national government (federalism).

Communications

Students will learn skills to be academically successful through the use of learning how to give presentations, readings, paraphrasing and summarizing, speech writing, vocabulary, parts of speech, punctuation, creative writing and research skills.

Great Books/Writing Lab (l year, each semester, .5 credit)

Students will analyze several classic novels covering various genres. Additionally, students will learn basic terminology in order to analyze and discuss the novels. Students will hone their reading skills by engaging in classical and current texts. They will also continue to improve their written skills by writing about concepts discussed in the course. Presentations and assignments associated with reading material will be required. Students may analyze the same work in both the written and audiovisual medium.

Mythology (1 year, each semester, .5 credit)

Greek myth, stories, and legends. Critical thinking; text analysis; and effective verbal and written communication. Exploration that examines Greek mythology's influence on current societal, emotional, and cultural beliefs and understanding. Report opinions and research using a variety of multimedia formats.

Anthropology (1 year, each semester .50 credit)
This course provides an engaging overview of anthropology, the study of humans and their societies across time and space. Through a combination of lectures, discussions, and hands-on activities, learners will examine human behavior, cultural diversity, and the evolution of societies. Key topics include the impact of culture on human experience, the methods used by anthropologists to gather and analyze data, and the importance of understanding different worldviews. Students will also engage in projects that promote critical thinking and encourage appreciation for global cultures. By the end of the course, students will have a foundational understanding of anthropological concepts and the skills to analyze social issues from a broader perspective.

Sociology A/B (1 year, each semester .5 credit)

This course is designed to give the student a greater awareness of his/her role within the various segments of society. The student will be made aware of the interrelationships of the various patterns and systems within society and how he/she relates to them.

Yearbook A/B (1 year, each semester .5 credit, must seek recommendation for course)

Students will complete a variety of tasks to create a quality yearbook that reflects on the activities for the present school year. Examples of what will be completed throughout the year: develop a theme, design cover, end sheets and title page that will reflect the theme, create a workable ladder, determine photo ideas, organize sales and distribution of the completed book, sell advertisements, edit pages, and meet publication deadlines. Students will be using an online program and software called E-design to complete these tasks along with a digital camera.

Current Events A/B (1 year, each semester .5 credit)

Students will gain a broad understanding of current events and increase media literacy. Students will study major and minor news stories and practice maps to learn where and how events occurred to the present day and how the future may be affected.

Sociology (1 year, each semester .5 credit)

Sociology is the study of human behavior in group situations. This course covers basic sociological theory, the effect of social structure, practices, and institutions upon the individual in everyday life. Topics will include but are not limited to culture, socialization, social institutions, social deviation, the family, social inequalities, poverty and crime.

Four Core Review (1 year, each semester .5 credit)

Four Core Review is a course designed to prepare students to take their college entrance exam (ACT/SAT). The course reviews the subjects of reading, writing for the SAT essay, academic vocabulary, math and science. Students are provided with practice test questions and complete practice tests. Students will learn basic test taking skills and specific test taking requirements for the ACT and SAT. During practice test sessions students are exposed to the timing component of the tests and will develop the necessary skill to finish the college entrance exams in the allotted time. Upon completion of the SAT in the spring of each year, the course focus changes to introduce students to the admission process for college and university admission. The students research different colleges and universities and then research a career of their choice and create presentations to give to the class.

Computer Literacy (1 year, each semester .5 credit)

This elective course challenges students to learn about the basics of computers, such as general knowledge of the computer system, to more advanced concepts, such as hacking and coding. Students will learn in a hands-on environment through applicable assignments about the computer components being studied.

Introduction to Research (1 year, each semester .5 credit)

Introduction to Research is a college preparatory class. Students will learn about all aspects of plagiarism and how to avoid it. The class focuses on writing college level research papers in the proper format with scholarly resources. Students will learn how to do research on the internet, how to choose reliable/peer reviewed sources and how to give credit to their sources. Citation

styles explored will be APA and MLA, and a brief introduction to Chicago Manuscript Style. Students will learn how to properly create in-text citations and works cited citations in both formats. Students will work on creating brief summaries of information, reflective papers, short essays, science lab reports and a complete argumentative essay.

Computer Science Principles (l year, each semester .5 credits)
This elective course is an introductory course that explores the foundational concepts of computer science and the impact of technology on society. Designed for students of all backgrounds, the course emphasizes creativity, problem-solving, and logical thinking through hands-on projects and collaborative work. Students will learn about algorithms, programming, data, cybersecurity, and the internet, while also investigating how computing influences the world around them. Throughout the course, students develop computational thinking skills by designing and building interactive applications and exploring real-world problems using technology.

Transitions a.k.a. Next Up (l year, each semester .5 credits)

This elective course assists students in establishing strategies and creating tools to manage time efficiently in the job search process. The lessons will reinforce understanding of researching and preparing prior to applying for and interviewing for a job. Students will participate in workplace readiness training and work-based learning experiences.

Advanced Physical Education A/B (1 year, each semester .5 credit)

This course will emphasize four fundamental areas: strength development, stretching for flexibility, speed and agility enhancement, and the fundamentals of a proper nutritional program. Students will be required to keep accurate records of their progress in the weight training phase as well as speed workouts. Proper technique and spotting procedures will be demonstrated, explained, and practiced for each of the core weight training stations. Students will be instructed as to proper running form for speed workouts.

Health 9 (1 semester, .5 credit)

This is a required course that deals with the emotional, physical, social, and psychological aspects of the human body. It is intended to prepare students to enter society with the knowledge to make responsible decisions regarding their health. The units covered are mental health, tobacco, alcohol, drugs, reproduction, pregnancy, contraception, and STD/AIDS.

Lifetime Fitness A/B (1 year, each semester .5 credit)

The purpose of this course is to help students improve personal fitness and health through active participation in a variety of safe and effective health related fitness components. The class includes a variety of aerobic activities, weight lifting, core strength and flexibility exercises. Students will gain a basic understanding of the physiological foundations of weight training and fitness running as well as proper nutritional concepts.

Physical Education 9 (1 semester, .5 credit)

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Nutrition and Wellness (1 year, each semester .5 credit)

This elective course provides students with the understanding of general health and wellness. Students will learn about specific topics related to the subject and learn from presentations. Students in the course will also participate in hands-on activities and concepts they discuss and learn about, such as soccer and volleyball. This course will promote activities and concepts that will help students continue nutrition and wellness even after the course is completed.

Introduction to Refereeing (l year, each semester .5 credit)

This elective course in an engaging, informative and inclusive sports officiating education curriculum. It incorporates innovative point of view technology to put the learner in position to make the call on the court, field, mat, pitch, or track. It is designed to provide the depth and breadth of content that helps students develop leadership, time management and conflict resolution skills, and become immediately employable.

Band A/B (1 year, each semester .5 credit)

Band is a one year elective course open to students grade 9-12. Prerequisites may include participation in beginning and Middle School Band. The class may be repeated. Enrolling in band entails complete participation in both concert and marching band. Complete participation includes band camp as well as all rehearsals and performances indicated by the instructor. In band, students will be studying all facets of instrumental music, including rhythmic and tonal studies, genre, style, interpretation, intonation and tone quality.

Jazz Band A/B (1 year, each semester .5 credit)

Jazz Band is an elective class open to students 9-12, who are already enrolled in Band. The class may be repeated. The Jazz Band consists of trumpets, trombones, alto, tenor and baritone saxophones, percussion, piano, guitar and bass. In Jazz Band, students will be studying the many facets of Jazz including improvisation and chord study. Different styles including Blues, Latin, Rock, and Swing will all be studied and performed. Attendance at all performances is required.

Introduction to Music Theory (1 semester, .5 credit)

Designed for students who seek to enrich their knowledge of the fundamentals of music. Students will gain an understanding of how elements of music interact to create musical style and effect, students will better appreciate how music is brought to life and its ability to communicate to others.

Introduction to Guitar (1 semester, .5 credit)

This course is designed to provide a musical introduction to playing the acoustic guitar. Through in-class instruction, individual practice, and playing assignments, the student will advance in their understanding of music and guitar pedagogy. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student.

Art A/B (1 year, each semester, .5 credit)

This course is designed to introduce students to the Elements of Art and Principles of Design, as well as Color Theory through work with a variety of media and techniques. Students will create both 2D and 3D artwork. Major Art Movements and the artists within those movements will also be studied with his course. Writing is also incorporated into this course through journal

writing and artists statements. This course is intended for those wishing to pursue art as a serious study or for those who are inexperienced and wish to investigate artistic expression.

Spanish 1A/1B (1 year, each semester, .5 credit)

This course is an introduction to the language and culture of the Spanish speaking world. Through storytelling, basic vocabulary and grammatical structures will be taught as well as the fundamental speaking, listening, reading and writing skills. Paired and group activities will be used to develop speaking skills. An appreciation for cultural diversity will be presented through such activities as learning about Hispanic holidays, Spanish music, geography and history of Spanish speaking countries.

Spanish 2A/2B (1 year, each semester .5 credit, prerequisite Spanish 1A/B)

This course focuses on strengthening the skills learned in Spanish One by additional practice in speaking, listening, reading and writing. Students will increase their Spanish vocabulary and more emphasis will be placed on the grammatical structures of the language.

Spanish III/ IV

Spanish III builds upon the foundational skills developed in previous Spanish courses, focusing on enhancing students' proficiency in speaking, listening, reading, and writing.Students will engage with a variety of authentic materials, including literature, music, and film, to deepen their understanding of Spanish-speaking cultures. Through interactive activities, discussions, and projects, learners will practice conversational skills and develop their ability to express ideas and opinions in Spanish.

Intro to Agriculture (1 year, each semester .5 credit)

This course gives students a background in natural resources and related career opportunities. It addresses the biological and environmental issues within our state, the history of natural resources, soils, water conservation as well as forestry. In the wildlife section, student experiences will involve ecological principles, habitat management, domestic animal life histories, animal anatomy, animal production, fish and wildlife values, and their effects on the environment. Students will gain reinforcement learning on science standards.

Agriculture and Natural Resources (1 year, each semester .5 credit)

Learn and develop the leadership and teamwork skills necessary in the industry today. Students can test their skills in the FFA youth organization, plus help plan and implement community-based projects. First year students will learn about different aspects of plant science, animal science, and natural resource concepts. Second year curriculum includes learning concepts related to floral design, veterinary science, production agriculture, landscape management, wildlife management, and more!

Advanced Agriculture (1 year, each semester .5 credit)

This course is designed to develop leadership skills through the lens of agriculture and natural resources. Students will explore the principles of leadership, communication, teamwork, goal setting, and problem solving while applying these skills to agricultural contexts. Emphasis will be placed on developing confidence, responsibility, and professionalism through hands-on activities, community projects, and leadership opportunities. Students will also study principles of business organization, agricultural issues, careers, and the role of organizations such as FFA

in cultivating leadership within the agricultural industry. By the end of the course, students will be equipped with the knowledge and skills to serve as effective leaders in school, their communities, and future careers, whether in agriculture or other fields.

Food Science (1year, each semester .5 credit)

This elective course provides students with an overview of the food industry and the role it plays in the securing of a safe, nutritious, and adequate food supply. Students will take a project-based approach in this course, along with labs, team building, and problem solving activities to enhance their learning. Students will apply their learning from horticulture science to deepen their understanding of the chemistry and biology of food, including the roles of nutrients, enzymes, and microorganisms. Students will also learn about food safety regulations, quality control, and the impact of food processing techniques on nutrition and sensory attributes. Students will complete a supervised agricultural experience, participate in leadership development activities and become familiar with the National FFA Organization.

Animal Science (1year, each semester .5 credit)

In this course, students will learn about the different uses for agricultural animals, the principles of genetics, and the biological technologies that are commonly used in the livestock industries. This is an excellent course for those interested in animals, genetics, scientific advances, or those wishing to earn a science credit. Units include animal by-products, livestock industries, cell formation, cell reproduction, genetics, and biotechnology.

Animal Science II (1year, each semester .5 credit)

This elective course will expand student knowledge of animal anatomy and physiology and utilize genetics to improve animal performance. Students will formulate nutrition plans to produce food animals and work in our animal production facilities to apply their skills. Students will complete a supervised agricultural experience, participate in leadership development activities and become familiar with the National FFA Organization.

Wildlife Biology (1 year, each semester .5 credit)

This is a two-semester, upper-level science course designed for juniors and seniors interested in animal science, conservation, ecology, and natural resource management. This course explores the biology, behavior and management of wild animal species and their habitats. Students will study population dynamics, ecosystems, biodiversity, conservation practices, and human impacts on wildlife conservation.

Horticulture(1 year, each semester .5 credit)

This course gives students a background in horticulture and related career opportunities. It addresses the following topics: plant science, plant propagation, greenhouse management and crops, hydroponics and aquaponics. In this class, student experiences will involve working in the greenhouse, contributing to a community garden, and participating in skills contests through FFA.

Horticulture II (1 year, each semester .5 credit)

This elective course will expand student knowledge on the floriculture industry. Students will cultivate and propagate flowers and ornamental plants for gardens, greenhouses, nurseries, and

landscapes. Horticulture classes will cover a variety of topics, including: design, plant identification, production, business, and art. Students will complete a supervised agricultural experience, participate in leadership development activities and become familiar with the National FFA Organization.

Accounting 1A/1B (1 year, each semester .5 credit)

The first year course is designed for the business pathway student. The accounting cycle for sole proprietorships and small corporations will be studied. Opportunities to use the computer software to solve accounting activities take place throughout the course

Accounting 2A/2B (1 year, each semester .5 credit)

The second year course is designed for the business or finance pathway students. Students will study advanced/post-secondary topics in accounting and obtain hands-on experience by recording the financial information for the school store.

Advanced Business Technology and Management 1A/1B (1 year, each semester .5 credit, Prerequisite Business Technology and Management A/B)

BTM II builds upon the foundational skills in technology and management that were learned in BTM 1A/1B. Students enrolled are considered CTE-Q level, in that they are learning post-secondary skills. Students will use entrepreneurial and management knowledge to operate the school store. Additionally, students will prepare and seek clarification in Microsoft Office Expert-Word, PowerPoint, and Excel. Students enrolled in this course are required to work in the school store.

Business Technology and Management 1A/1B (1 year, each semester .5 credit)

BTM is the foundation class that gives the student a foundation of skills that will be expanded on in other classes. This course provides instruction in business management and career education. Instruction will include software concepts using a Windows based software suite, which includes word processing, spreadsheet, and presentation applications. Instruction in basic computer hardware, software and operating systems that support software application.

Digital & Multimedia Design 1A/1B (1 year, each semester .5 credit, Recommended Prerequisite Business Technology and Management 1A/1B)

This is a business course designed to allow students to develop proficiency in using industry standard software to create a variety of multimedia projects for both computer/web viewing and print. Students will incorporate the principles of design throughout the course in both print and Web publications including integration of text and graphics and use sophisticated hardware and software to develop and create quality materials. Students will incorporate the process of analyzing information and audience while choosing the appropriate visual aids to communicate the desired message effectively. Basic web page design and instruction is incorporated within this course as well as the use of photo and video editing software. Students will also have opportunities to explore basic IT through projects, which will encourage computational thinking, curiosity, creativity, and empathy.

Digital & Multimedia Design 2A/2B (1 year, each semester .5 credit, Prerequisite Digital & Multimedia Design 1A/1B)

Students will continue studying the concepts of Digital & Multimedia Design 1A/1B, but will

work on advanced skills in an area of focus learned DMD 1A/1B.

Workplace Communications (1 year, each semester .5 credit)
In this elective course, students will gain knowledge about responsibilities and duties in a typical work environment. Students can take this knowledge that they have gained into their future workplace.

Work-Based Learning (WBL) – (1 year, each semester .5 credit)
Work-Based Learning (WBL) provides high school students with the opportunity to extend their classroom learning into real-world career settings. Through structured experiences with local businesses, organizations, and industry partners, students gain valuable knowledge, skills, and workplace readiness that prepare them for success in both college and future careers. Students in the WBL program may participate in job shadowing or paid/unpaid employment related to their career interests. These experiences are supervised jointly by the employer and the school to ensure that learning objectives are met. Students are expected to demonstrate responsibility, professionalism, and growth in both technical and employability skills. In addition to time spent at the worksite, students complete related classroom activities, reflections, and evaluations that connect their work experience to academic and career goals. Successful participation can provide elective credit toward high school graduation requirements, while helping students build a résumé, explore career pathways, and develop essential skills for lifelong success.

Prerequisites: Approval from the WBL coordinator; students must be in good academic standing, demonstrate maturity and responsibility, and secure approval from the WBL coordinator. Transportation to and from the worksite is the responsibility of the student/family.

VanBuren Technology Center

Auto Mechanics IA/IB (grades 9-12)

Auto Mechanics I is a one semester course meeting two block periods per day. Students will be expected to show proficiencies in many phases of automotive brake systems, theory, and service. The second portion of the course will involve engine operation and rebuilding. Two-thirds of the course time will be devoted to theory. The remainder will be spent in the lab. Emphasis will be placed upon classroom and practical experience in all aspects of brake systems diagnosis and repair leading to certification in that field.

Auto Mechanics II/III A/B (grades 11-12)

Auto Mechanics II/III A/B is a one semester class meeting two block periods per day. The course is designed to provide students with entry level skills in the field of automotive suspension systems, including alignments. Throughout the semester, instructional material will include various components and labs related to suspension systems. Successful alignment of at least two vehicles will culminate front/rear suspension course study. The remainder of the time will be spent with basic automotive electricity, circuits, and component testing. Students will be encouraged to participate in many avenues of automotive service.

Cadet Teacher Academy

Students receive face-to-face and online classroom instruction two days per week to learn beginning teaching skills/methodology. Three days per week, students work with a mentor teacher, gaining classroom experience, first by observing, then advancing to actual lesson development and delivery . College credit is available through local community colleges. Students also have the opportunity to participate in the "Family, Career and Community Leaders of America" (FCCLA) student organization. An enrollment packet which includes field placement information is required for the Cadet Teacher Academy. Students may also qualify to receive their "Proficiency Certificate for Teacher Assistants" and/ or Career Readiness Certificate by receiving a Silver, Gold, or Platinum rating on Work Keys and Business Writing. This would allow students to be qualified as a Classroom Paraprofessional upon graduation from High School. Participation in an orientation before the start of the school year is also required.

Commercial Art

Recent software developments allow individuals to create "Interactive Messages", which include spoken words, motion from video sources and animation, as well as traditional art and type-based documents . Students will learn skills required for computer usage, as well as traditional skills such as drawing and painting. Making messages is an art. Images may be created, scanned, organized, stored, and "published" using a computer. Self-motivation and discipline are important skills to have. Most career choices in this field require additional post-secondary education.

Fire Science

This program introduces students to the basic skills required by firefighters including fire control, detection, and prevention. Certifications in this program include CPR, First Aid, and Hazardous Materials, Awareness, and Operations. Students who are at least 16 and pass the class with 70 percent or higher will be eligible to take the Michigan Firefighter I and II exams for state certification.

Fundamentals of Patient Care

The Fundamentals of Patient Care Program focuses on nursing and preparing students to pursue a Michigan Certified Nursing Assistant (CNA) license. Classroom instruction is divided between hands-on lab and theory time. Integrated English, science and math are a part of the weekly curriculum. Students can become certified in CPR and First Aid. Second-year students can apply for a co-op position that offers paid work experience.

Law Enforcement

In this course you will learn about basic policies and procedures of the legal system, study juvenile delinquency problems and theories, and become more familiar with the work of youth agencies, legislative involvement, and new approaches to juvenile crime prevention. Classroom participation, job shadows, and field trips are included. Qualifying first year students can earn six credits from Lake Michigan College (LMC) . Second year students are placed in an intern program and the application process, including background check, is required for this program.

Advanced Manufacturing

Previously known as Machine Tool, this program combines high-tech machines with hands-on projects. Students are engaged with brainstorming, engineering, machining and robotics. Work on Vertical Milling Machines and Engine Lathes, along with 3-axis Computer Numeric Controlled Milling and Lathe Machines is included. Build a foundation of manufacturing skills that will help you gain an engineering background.

Construction Trades

Students will learn and apply the concepts of plumb, level, and square through practical on-site applications. Emphasis is placed on "hands-on" learning and correcting mistakes. Construction areas covered in this program include: safety, hand and power tool operations, masonry skills, framing, roofing, siding, drywall hanging and finishing, door/ trim applications, and estimating. Also, students gain knowledge in electrical, cabinet making and more. In both the on-site and off-site programs, students will construct a residential home.

Culinary Arts & Catering Management

The Culinary Arts and Catering Management program, includes segments from a variety of related industries. Students develop skills through field trips, banquets, on-and- off-site food service events, textbook/workbook activities, hands-on cooking, and culinary/ cooking/ restaurant development competitions. Qualifying students can earn college credit and industry certifications. ServSafe, an internationally recognized sanitation certification, is a hospitality services industry requirement. Students who successfully complete ProStart Levels I and II are issued a certificate from the National Restaurant Association.

Marketing & Entrepreneurship

Learn and apply marketing skills that allow you to be successful in today's highly competitive business world. Units include management and communication skills, product demonstrations, visual merchandising, job interviewing, product planning and packaging, marketing research, and advertising. This course will also teach you how to research a business idea, write a business plan, and start your own business. Participation and competition in the national Business Professionals of America (BPA) student organization is encouraged for all students.

Pharmacy Technician

Pharmacy Technicians help pharmacists provide medication and other health care products to patients. This college-level program prepares students to work in a pharmacy /hospital setting through classroom study and hands-on learning . Students will learn about pharmacy law and ethics, medical terminology, anatomy and physiology, pharmaceutical terminology and abbreviations, infection control procedures, pharmaceutical prescription preparation and dispensing procedures, pharmacy computer applications, insurance procedures, drug research, and patient/ customer relations.

Print Media Technologies

In this class, students will learn the entire printing process, from concept to finished product. The program includes an introduction to digital photography and video editing. Students will make their own T-shirts, stationary, and business cards, as well as take their own senior picture and

produce a video. In addition to their own projects, students will help with the production of printed products for the Van Buren Intermediate School District. This program can be a starting point to a college career in Graphic Arts. Western Michigan University, Ferris State University, and Kalamazoo Valley Community College all have highly regarded programs in the Graphic Arts field. Successful students should have good basic math and computer skills.

Allied Health Technologies

Get on track to an interesting career in one of the therapy areas taught in this program. Learn skills and terminology applicable to virtually all healthcare fields. Students can become certified in CPR and First Aid.

Cyber Security & Computer Network Technology

In this program, students will gain job skills and a foundation for college in PC hardware and software, network cable line, switches, routers, wireless access points, servers and network security. Learn how to build, repair, configure, manage, and secure computers and networks. This program prepares students for CompTIA A+, Security+, CISCO Certified Network Associate, and Microsoft Certified Solutions Associate (MSCA) certifications. Direct college credit is available in this program and up to 24 articulated credits are also available through various colleges and universities.

Engineering & Architectural Design

In this program, students will learn the foundational principles behind the fields of engineering and architecture. Working as a team, you will invent solutions to challenges, be exposed to new technologies and ideas, and learn how to benefit the world through problem solving designs. Students will sketch designs, learn Computer Aided Design (CAD) software and 3D printing technologies, as well as programming and electronics that will help make design ideas and inventions come to life. Students will also partner with colleges and real engineers and architects to learn pathways for students to make solutions to real-world problems and ideas for new creations.

Software Engineering

Computer software is enabling unprecedented technological innovation. Software engineering is defining the future. In this class, we cover basic computer science, software development and related career topics, and using languages such as Java, C# and C++. Students learn how to specify requirements, design, code, test and maintain computer software. After learning the fundamentals, students work in teams to create high-technology applications in areas such as robotics, simulation, computer vision, control systems and machine learning.

Welding

Learn how to safely use the various welding equipment and do strong, professional looking welds. Apply your knowledge of various types of welds in a high-tech welding lab. Work independently while learning precise measurements and angles and a variety of welding processes including Gas Metal Arc Welding, Gas Tungsten Arc Welding, Shielded Metal Arc Welding, Flux Core Arc Welding, Resistance Welding, and more!

Polymer Technologies

Learn how to operate a variety of plastics machines including injection molding, mix resins to make the plastic parts, set-up inks for stamping, and/ or engraving images on plastics.

DUAL ENROLLMENT

Students have the opportunity to take college classes and earn college credit through Marcellus Middle High School on the campus of Southwestern Michigan College.

Eligible Students:

To qualify for dual enrollment students must:

1) Meet the assessment criteria on the PSAT, SAT, and /or SMC Placement Test
2) Meet with the high school counselor for course scheduling
3) Have a signed dual enrollment contract on file
4) Must maintain a D- or above to continue in the Dual Enrollment Program. **Failure of the class ,"F", will result in full tuition reimbursement of the course at the expense of the student**.

Early College

The Early College (EC) is an effective and efficient way for students to earn up to 62 tuition free college credits while still in high school. Students will be able to save both time and money as they pursue a college degree, and they will have an additional year of high school (13th grade) to complete their college program at Southwestern Michigan College.

This program is designed to provide all students with the opportunity to earn a high school diploma, an occupational or specific certificate/certificate of achievement or an occupational associate degree which provides up to two years of transferable college credit towards a bachelor degree.

The EC is structured so that students gradually increase their exposure to college courses over a five-year span. Initially, (9th grade and 10th grade) all of the students' schedules will be comprised of traditional high school classes. As students progress through their educational plan, they will be exposed to more college courses. By the time they reach the 13th grade, all of their coursework will be on-site at the college campus.

Students in the EC program will receive support services to assist them in their transition from high school to college. All EC students will take a College Success Strategies seminar in 10th grade to develop their academic preparation skills, study skills development, and social maturity skills. They will also be working with an EC Mentor who will serve as a "coach" as they progress through the program.

Students who consider EC must be willing, motivated, and up for the challenge to perform successfully at the college level. In addition to the college coursework, students must

successfully complete all of the requirements of the Michigan Merit Curriculum.

Cass County CTE Consortium Program Types:

Cass County CTE Consortium Program Types:

Each high school in our county offers CTE programs. Students may take CTE programs throughout high school. The Cass County CTE Consortium Programming is offered under two options:

- Students take a CTE program located at a Cass County high school where the CTE program is located.
- Students enroll in a Heritage Southwest ISD (HSISD) Career Academy which is a CTE Dual Enrollment program at SMC.

If a high school offers a CTE program the student must take it in their own district. Transportation is not guaranteed to be provided by the district. Transportation arrangements need to be by the student in the case that the district does not provide transportation.

Cass County CTE Consortium High School Programs:

Agriculture, Food & Natural Resources

**Location: ** Cassopolis (Ross Beatty High School), Marcellus High School

This program explores the science and business of growing crops, raising animals, and managing natural resources. Students learn about plant and animal systems, soil science, agribusiness, and sustainable practices.

Key Technical Skills:

- Animal and plant biology
- Agricultural equipment operation and safety
- Agriscience research and recordkeeping
- Environmental stewardship and natural resource conservation

Career Opportunities: Agronomist, Veterinary Technician, Environmental Specialist, Farm Manager, Agricultural Sales Representative

Automotive Technology

**Location: ** Dowagiac Union High School and HSISD Career Academy-SMC Dowagiac (Dual Enrollment)

This hands-on program prepares students to inspect, maintain, and repair vehicles. Students use industry-standard tools and diagnostic equipment to work on brakes, engines, electrical systems, suspension, and steering.

Key Technical Skills:

- Engine performance and repair
- Electrical systems diagnostics
- Brake and suspension service
- Preventative maintenance and safety

Career Opportunities: Automotive Technician, Service Advisor, Diesel Technician, Auto Parts Specialist, ASE Certified Mechanic

Construction Trades

**Location: ** Dowagiac Union High School

Students gain foundational and advanced skills in carpentry, masonry, plumbing, electrical, and general construction. Emphasis is placed on safety, blueprint reading, measurement, and the use of power tools.

Key Technical Skills:

- Framing and finishing carpentry
- Hand and power tool operation
- Blueprint interpretation

- Building codes and safety regulations

Career Opportunities: Carpenter, Electrician Apprentice, Plumber Apprentice, Construction Manager, Building Inspector

Manufacturing/Engineering Technology

Location: Edwardsburg High School

This program blends engineering principles with hands-on manufacturing techniques. Students learn about CAD, robotics, automation, machining, and product development.

Key Technical Skills:

- Blueprint reading and CAD software
- CNC machining and 3D printing
- Robotics and automation systems
- Quality assurance and process improvement

Career Opportunities: CNC Machinist, Mechanical Engineer Technician, Industrial Maintenance Technician, Robotics Programer, Quality Control Inspector

Dental Assisting

Location: HSISD / Cass Family Clinic

Students learn how to assist dentists during procedures, manage patient records, sterilize instruments, and perform chairside responsibilities. Includes lab instruction and clinical experience.

Key Technical Skills:

- Infection control and sterilization
- Patient intake and charting
- Dental radiography and impressions
- Chairside assistance and instrument handling

Career Opportunities: Dental Assistant, Dental Office Manager, Oral Surgery Assistant, Orthodontic Assistant

Medical Assisting

Location: HSISD / Cass Family Clinic

Students are introduced to clinical and administrative duties in a medical office. Prepares students to assist physicians with patient care, conduct vital signs, and manage records.

Key Technical Skills:

- Vital sign measurement
- Medical terminology and anatomy
- Electronic health record management
- Basic clinical procedures and first aid

Career Opportunities: Medical Assistant, Certified Nursing Assistant (CNA), Patient Care Technician, Healthcare Administrative Assistant

Welding Technology

**Location: ** Dowagiac Union High School

This program provides training in metal fabrication and welding processes, including MIG, TIG, stick welding, and plasma cutting. Students work toward AWS certifications.

Key Technical Skills:

- MIG, TIG, and stick welding
- Blueprint reading and layout
- Fabrication and cutting techniques
- Welding safety and metallurgy

Career Opportunities: Welder/Fabricator, Pipefitter, Structural Ironworker, Welding Inspector

Virtual Courses

Keyboarding Enrichment
Keyboarding offers both beginner and intermediate levels of typing. Each student will be assigned a level according to age. In order to receive credit for this class, the lessons of the regular program must be completed by the end of the semester, then the practice and activities continue into one of the eight follow up programs within our keyboarding platform, in addition to the 900+ activities and lessons for students to explore and improve.

World Language
This class has a focus in studying one of several foreign language options available through the virtual tools applied in Mondly. Mondly works through a strategy of immersion in teaching the foreign language,and a traditional circular strategy for teaching the language.

Health and Fitness
Through the application of various virtual resources, such as Ed Puzzle, students get to not only learn about several issues surrounding health and fitness, but also engage in an online format with virtual class peers in discussion and blogging of weekly topics, guided by the instructors of the course. The course will also include the completion of an exercise log of outside fitness activity.

Current Events
This program features nonfiction articles with quizzes for grades 3rd - 12th. Reading levels can be adjusted within five different levels while keeping the same content. Progress is tracked and recorded. Three new news articles are added daily to their database of thousands. The study of these nonfiction, current event articles is implemented through the virtual tool of Newsela.

Computer Coding I
A computer programming course for beginners that teaches the coding in languages used within the professional arena, such as Python, JavaScript and Java, while in a kid-familiar Minecraft and/or Roblox environment that kids enjoy already. Various lessons, activities and program design all occur within age-appropriate environments with online teachers and mentors to coach along.

Computer Coding II
An advanced version of coding for our Junior High and High School students. Students are challenged to learn and develop various computer modules through the application of different computer programming languages. The full curriculum is broken down into different courses, intended to be completed from year to year in sequence. Course choices through our virtual course provider, Simply Coding, include Java Script Game Design 1 and 2, Python Multiplayer Adventure, Intro to Java, Android Apps in Java

Creative Technologies I
This course focuses on drawing and drawing techniques through the creation of a *Marvel character* drawing journal. This journal is posted to each student's electronic portfolio through scanning and digital imagery.

Creative Technologies II
Extend your drawing skills even beyond the Marvel world into a more advanced,

extended perspective drawing course and all that it entails in technique and methodology. An Edpuzzle-based class to give the experienced artist more challenges to conquer.

Creative Technologies III
Take a look into a digital design tool, CANVA, used throughout many industries to create anything from posters to brochures to presentations and much beyond. This course takes you through the learning and use of this tool by video, based similarly to an Edpuzzle class. You will be able to create a free account with CANVA and work through projects, ready to be posted to our electronic portfolio, Artsonia.

Music Theory Enrichment
This course is a highly effective, yet fun environment for students to develop music theory and practice through engaging activities. The website, Ed Puzzle - Music, contains hundreds of learning games, activities and videos of varying levels, all carefully planned to gain mastery of the elements of music theory, ear training and rhythmic skills in an exciting, challenging environment. In addition to the many activities available through the virtual resources, an online practice record log keeps track of outside music activities that kids participate in.

Technology Lab Enrichment Ia
This course provides students instruction designed to improve skills through a variety of virtual resources. The skills of the students are intended to be extended and enriched through a variety of different activities, games and projects geared toward the grade level. The course uses the game of chess, coupled with puzzles, lessons, videos and articles to teach students about strategy, tactics and perseverance.

Technology Lab Enrichment Ib:
A new, Edpuzzle-based adventure into the gaming world. Learn different game strategies and methods of play for a variety of different forms of game. From board games to video games to card games and more, study strategies and play of these different forms of game, all while learning the logic required by different game forms. In addition to the study of game play, different game reviews and objective evaluation is available to learn and experience throughout the course.

Technology Lab IIa - Students taking this course will explore a number of topics ranging from organizational skills, cooperative activities, basic culinary arts, and food/diet culture.

Virtual Edmentum Courses

AP® Calculus A/B
AP® Calculus 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.
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AP® Statistics (Apex)
AP® Statistics is a two-semester course that gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP® Statistics prepares students for the AP® exam and for further study in science, sociology, medicine, engineering, political science, geography, or business.

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This updated course was originally created for Apex Courses and is now available in Courseware.

Accelerate to Michigan Algebra I (Not available to home school/shared time students)
Accelerate to Michigan Algebra I is a short course designed to prepare students for success in Algebra I aligned to Michigan Academic Standards. It focuses on reviewing the essential skills and mathematical concepts that serve as the foundation for upcoming learning. Students will apply their understanding of algebraic techniques for representing relationships and use these relationships to solve problems. Students will also explore how statistics and probability can be used to draw conclusions and make predictions.

Accelerate to Michigan Algebra II (Not available to home school/shared time students)
Accelerate to Michigan Algebra II is a short course designed to prepare students for success in Algebra II aligned to Michigan Academic Standards. It focuses on reviewing the essential skills and mathematical concepts that serve as the foundation for upcoming learning. Students will apply their understanding of algebraic techniques for representing relationships and use these relationships to solve problems. Students will also explore how statistics and probability can be used to draw conclusions and make predictions.

Accelerate to Michigan Geometry (Not available to home school/shared time students)
Accelerate to Michigan Geometry is a short course designed to prepare students for success in Geometry aligned to Michigan Academic Standards. It focuses on reviewing the essential skills and mathematical concepts that serve as the foundation for upcoming learning. Students will apply their understanding of algebraic techniques to rewrite and solve expressions and equations. Students will also explore simple probability and revisit fundamental geometric relationships.

Michigan Algebra I A/B (Not available to home school/shared time students)
Michigan Algebra I A/B is a completely re-designed course that offers 100% alignment to the Michigan Academic 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. Michigan Algebra I reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.

Algebra 1 A/B Honors

Algebra 1 v7.0 is a completely re-designed course that offers 100% alignment to the National 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 2 A/B Honors

Algebra 2 v7.0 is a completely re-designed course that offers 100% alignment to the National 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.

Michigan Algebra II A/B (Not available to home school/shared time students)

Michigan Algebra II A/B is a completely re-designed course that offers 100% alignment to the Michigan Academic 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. Michigan Algebra II reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Consumer Mathematics (Not available to home school/shared time students)
This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.

Financial Mathematics A/B (Not available to home school/shared time students)
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.

Michigan Geometry A/B (Not available to home school/shared time students)
Michigan Geometry v2.0 is a completely re-designed course that offers 100% alignment to Michigan K-12 Standards. 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 a focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforced 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 sensemaking. 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. Michigan Geometry v2.0 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Michigan Integrated Math 1 A/B (Not available to home school/shared time students)
Michigan Integrated Math I is a completely re-designed course that offers 100% alignment to the Michigan K-12 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. Michigan Integrated Math I reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Michigan Integrated Math II A/B (Not available to home school/shared time students)
Michigan Integrated Math II is a completely re-designed course that offers alignment to the Michigan K-12 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. Michigan Integrated Math II reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Michigan Integrated Mathematics III A/B (Not available to home school/shared time students)
Michigan Integrated Math III is a completely re-designed course that offers 100% alignment to the Michigan K-12 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. Michigan Integrated Math III reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Precalculus A/B (Not available to home school/shared time students)
Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.

Probability & Statistics (Not available to home school/shared time students)
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.

AP® English Language and Composition A/B
In AP® English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP® exam and for further study in communications, creative writing, journalism, literature, and composition.

Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP® Exam.

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AP® English Literature and Composition A/B
Each unit of AP® 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.

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Accelerate to Michigan English 09 (Not available to home school/shared time students)
Accelerate to Michigan English 09 is a short course designed to prepare students for success in English 09 aligned to Michigan Academic Standards. It focuses on developing the reading and writing skills that will serve as the foundation for upcoming learning. Students will practice active reading strategies to analyze how authors use literary devices, structure, and language in their writing. Students will also practice close reading to interpret texts and provide support for written analysis.

Accelerate to Michigan English 10 (Not available to home school/shared time students)
Accelerate to Michigan English 10 is a short course designed to prepare students for success in English 10 aligned to Michigan Academic Standards. It focuses on the reading and writing skills that will serve as the foundation for upcoming learning. Students will practice active reading strategies to analyze how authors use literary devices, persuasive techniques, structure, and language in their writing. Students will also practice close reading to interpret texts and provide support for written analysis.

Accelerate to Michigan English 11 (Not available to home school/shared time students)
Accelerate to Michigan English 11 is a short course designed to prepare students for success in English 11 aligned to Michigan Academic Standards. It focuses on the reading and writing skills that will serve as the foundation for upcoming learning. Students will read literary and informational texts to analyze how authors use various structures, elements, and techniques to create effects. Students will also use close reading strategies to interpret texts and inform your writing.
Accelerate to Michigan English 12 (Not available to home school/shared time students)
Accelerate to Michigan English 12 is a short course designed to prepare students for success in English 12 aligned to Michigan Academic Standards. It focuses on developing the reading and writing skills that will serve as the foundation for upcoming learning. Students will practice active reading strategies to analyze how authors use literary devices, structure, and language in their writing. Students will also compose brief analyses to demonstrate your understanding of the historical and cultural perspectives in these texts.

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.

Michigan English 9 A/B (Not available to home school/shared time students)
Michigan English 9 v2.0 is a completely re-designed course that offers 100% alignment to the Michigan K-12 Standards for English Language Arts. In addition to an emphasis on alignment,

the redesigned lessons are designed based on a clear thematic connection and build upon each other ensuring that standards are scaffolded and covered multiple times going deeper with each lesson. Texts in this course are diverse, authentic, complex, and rich in length. Students encounter texts multiple times over the course of a unit digging deeper in theme and focus standards. Each lesson follows a clear instructional model mirroring that of the traditional tier-one lesson cycle: warm-up, direct teach with modeling, guided practice, independent practice, and closure. Instructional best practices are embedded throughout lessons such as close reading, modeling, and chunking. Features to support student mastery included guided notes and graphic organizers. 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.

Michigan English 10 A/B (Not available to home school/shared time students)
Michigan English 10 A/B is a completely re-designed course that offers 100% alignment to the Michigan Academic 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. Michigan English 10 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Michigan English 11 A/B (Not available to home school/shared time students)
Michigan English 11 A/B is a completely re-designed course that offers 100% alignment to the Michigan Academic 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.

Michigan English 12 A/B (Not available to home school/shared time students)
Michigan English 12 A/B is a completely re-designed course that offers 100% alignment to the Michigan Academic Standards for English Language Arts. In keeping with the model established in Michigan English 11, 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.

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.

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AP® Chemistry A/B
AP® 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.

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AP® Environmental Science A/B
AP® Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. The equivalent of an introductory college-level science course, AP® Environmental Science prepares students for the AP® exam and for further study in science, health sciences, or engineering. Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, deconstruct claims, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Frequent no- and low-stakes assessments allow students to measure their comprehension and improve their performance as they progress through each activity.

Students also perform hands-on labs and projects that give them insight into the nature of

science and help them understand environmental concepts, as well as how evidence can be obtained to support those concepts.

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Biology A/B (Not available to home school/shared time students)
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.

Biology with Virtual Labs A/B (Not available to home school/shared time students)
This inquiry- and virtual-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 number of virtual lab activities in which students will exercise experimental design, data analysis, and data interpretation skills while working through a simulated laboratory situation.Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.

This course is built to state standards.

Chemistry A/B (Not available to home school/shared time students)
This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school chemistry along with additional concepts and standards typically included in a full-year high school chemistry course. Content topics include atoms and elements, chemical bonding, chemical reactions, quantitative chemistry, molecular-level forces, solutions, and energy and changes in matter. It also addresses additional concepts and standards typically included in a full-year high school chemistry course, including molar concentrations, acid-base reactions, advanced stoichiometry, gas laws, and organic compounds. 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 an electronic balance (0.01g), graduated cylinders, test tubes, and chemical reagents. 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.

Environmental Science (Not available to home school/shared time students)
Environmental Science is designed to introduce students to the main concepts of environmental science. It will help students gain knowledge of the natural processes that occur in nature and understand their importance and relevance. Students will also gain awareness of some of the environmental issues and challenges we face in the world today, such as land use and management, wildlife conservation, resource and waste management, and the different kinds of pollution. Finally, students will learn about energy sources and production, sustainable development, and environmental policies.

High School Earth & Space Science A/B (Not available to home school/shared time students)

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources.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 an electronic balance (0.01g), graduated cylinders, and a water testing kit. 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.

Integrated Physics & Chemistry A/B (Not available to home school/shared time students)
The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sense-making, and problem solving.Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items such as paper and a pencil—if they choose.

Physical Science A/B (Not available to home school/shared time students)
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). (Credit Recovery versions available) *NCAA Approved*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.

Physics A/B (Not available to home school/shared time students)
Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics.Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of **common household** items—such as paper and a pencil—if they choose.

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

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This updated course was originally created for Apex Courses and is now available in Courseware.

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

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AP® Psychology (Apex)

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

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AP® U.S. History A/B

AP® U.S. History develops critical thinking skills by encouraging multiple views as students realize 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. This course has been authorized by the College Board® to use the AP® designation.

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AP® US Government and Politics (Apex)

AP® US Government and Politics is a one-semester course in which students learn about the operations and structure of the U.S. government and the behavior of the electorate and politicians. Students will gain the analytic perspective necessary to critically evaluate political data, hypotheses, concepts, opinions, and processes. Along the way, they'll learn how to gather data about political behavior and develop their own theoretical analysis of American politics. They'll also build the skills they need to examine general propositions about government and politics and to analyze the specific relationships between political, social, and economic institutions. The equivalent of an introductory college-level course, AP® US Government and Politics prepares students for the AP® exam and for further study in political science, law, education, business, or history.

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Economics (Not available to home school/shared time students)
This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

Economics and Personal Finance (Apex) (Not available to home school/shared time students)
Economics and Personal Finance offers a tightly focused and scaffolded curriculum that provides an introduction to key economic principles. The course covers fundamental properties of economics, including an examination of markets from both historical and current perspectives; the basics of supply and demand; the theories of early economic philosophers such as Adam Smith and David Ricardo; theories of value; the concept of money and how it evolved; the roles of banks, investment houses, and the Federal Reserve; Keynesian economics; the productivity, wages, investment, and growth involved in capitalism; unemployment, inflation, and the national debt; and a survey of the global economy. The course extends students' understanding of these principles in the context of personal finance, exploring issues such as career planning, budgeting, credit, taxes, investing, insurance, loans, and major purchases.

This course is built to state standards.

This updated course was originally created for Apex Courses and is now available in Courseware.

Ethnic Studies
In one semester of five units, Ethnic Studies explores the history, culture, and experiences of different ethnic and racial groups. The course looks at the lives of Indigenous peoples, African Americans, Latin Americans, and Asian Americans and Pacific Islanders in the United States. By studying the experiences of people in these groups, you will develop a deeper understanding of their contributions, struggles, and achievements.

In this course, you will explore the effects of historical as well as current laws and policies. Many laws and policies have focused on specific groups of people based on race or ethnicity. You will learn about the ways in which ethnic groups have shaped and contributed to American society. You will also explore the obstacles groups have faced while working to gain citizenship and equality. And through discussion, research, and projects, you will learn how the impacts of race, ethnicity, and identity lead people to have very different lives.

Geography and World Cultures (Apex) (Not available to home school/shared time students)
Geography and World Cultures is a robust one-semester course that explores how geographic features, human relationships, political and social structures, economics, science and technology, and the arts have developed and influenced life in countries around the world. Along the way, students are given rigorous instruction on how to read and create maps, charts, and graphs.

Geography and World Cultures is designed to be the first course in the social studies sequence. It helps students develop note-taking skills, teaches analytic writing, and introduces students to the close examination of primary documents.

This course is built to state standards and informed by standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for the Social Studies.

This updated course was originally created for Apex Courses and is now available in Courseware.

Michigan United States History A/B (Not available to home school/shared time students)
Michigan United States History is a two-semester course aligned to the Michigan K-12 Standards. The course promotes the examination, analysis, and evaluation of important people and events in the history of the United States of America. The course also uses investigative questions to guide the examination and analysis of events. The content of the course is designed to promote understanding of the impacts historical events had on the numerous groups of diverse people who make up the United States. Clarifying Big Ideas (CBI) Lessons appear throughout the course to model critical thinking skills and strategies. These skills and strategies are woven throughout the lessons to allow students to practice using the skills in context. Activities further promote critical thinking about historical figures and encourage learners to analyze factors that impacted the decisions these figures made to shape the growth and development of the United States. The activities have learners analyze and evaluate primary and secondary sources and have them form opinions while using evidence to support their opinions.

Michigan World History and Geography A/B (Not available to home school/shared time students)
Michigan high school students taking this course will get a true survey of world history. Beginning with the study of early human societies and the invention of agriculture, this course takes the students on a journey through time, from ancient societies up through the modern era. This course employs many interactive features like maps and images with clickable hotspots that students can explore to get more information about things such as regions, cities, and geographical features on a map and artistic techniques and features in famous works of art. Best of all, this course is aligned to the Michigan state standards of learning and to the English Language Arts (ELA) Standards for History and Social Studies.

Modern World History from 1450 (Apex) (Not available to home school/shared time students)
In Modern World History from 1450, students study the major turning points that shaped the modern world, including the expansion of Islamic and Asian empires, transoceanic exploration, the Atlantic slave trade, the Enlightenment, industrialization, imperialism, nationalism, political revolutions, the world wars, the Cold War, decolonization, and globalization. By presenting content from multiple perspectives and through diverse primary and secondary source materials, this course not only provides students with a solid foundation in the history of the modern era, but also prepares them to be active and informed citizens of the world.

Through critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their ability to conduct research, analyze sources, make arguments, and take informed action. In written assignments, students address critical questions about the history of the modern era. In discussion activities, students respond to diverse opinions, take positions, and defend their own claims. Formative and summative assessments provide students and teachers with ample opportunities to check in, review, and evaluate students' progress in the course. This course is built to state standards.

This updated course was originally created for Apex Courses and is now available in Courseware.

Modern World History from 1600 (Apex) (Not available to home school/shared time

students)
In Modern World History from 1600, students study the major turning points that shaped the modern world, including the Enlightenment, industrialization, imperialism, nationalism, political revolutions, the world wars, the Cold War, decolonization, and globalization. By presenting content from multiple perspectives and through diverse primary and secondary source materials, this course provides students with a solid foundation in the history of the modern era and prepares them to be active and informed citizens of the world.

Through critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their ability to conduct research, analyze sources, make arguments, and take informed action. In written assignments, students address critical questions about the history of the modern era. In discussion activities, students respond to diverse opinions, take positions, and defend their own claims. Formative and summative assessments provide students and teachers with ample opportunities to check in, review, and evaluate students' progress in the course. This course is built to state standards.

This updated course was originally created for Apex Courses and is now available in Courseware.

Personal Financial Literacy (Apex) (Not available to home school/shared time students)
Personal Financial Literacy offers an engaging, scaffolded curriculum that introduces key topics and principles necessary to financial literacy. The one-semester course covers earning and spending; savings and investing; credit and debt; protection of assets; and financial planning and decision-making. Through real-life scenarios and hands-on activities, the course explores choosing among banking and investment options, shopping for an auto loan, choosing among career and college options, financing options for continuing education, planning for retirement, and creating and living within a budget. As a social studies course, Financial Literacy is designed to complement courses in Economics and Mathematics for Personal Finance.

This course is built to state standards and further informed by standards from the Council for Economic Education's National Standards for Financial Literacy and the Jump$tart Coalition for Personal Financial Literacy's National Standards in K-12 Personal Finance Education.

This updated course was originally created for Apex Courses and is now available in Courseware.

U.S. Government (Not available to home school/shared time students)
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.

US Government and Politics (Apex) (Not available to home school/shared time students)
In US Government and Politics, students examine the history, principles, and function of the political system established by the US Constitution. Starting with a basic introduction to the role of government in society and the philosophies at the heart of American democracy, this course provides students with the knowledge needed to be informed and empowered participants in the US political system.

Through critical reading activities, feedback-rich instruction, and application-oriented

assignments, students develop their ability to conduct research, analyze sources, make arguments, and take informed action. In written assignments, students address critical questions about US politics and the roles of individual Americans in politics and political organizations. In discussion activities, students respond to political opinions, take a position, and defend their own claims. Formative and summative assessments provide students and teachers with ample opportunities to check in, review, and evaluate students' progress in the course. For Honors students, the course culminates with a multipart independent research project focused on a topic of their choice.

This course is built to state standards and informed by the College, Career, and Civil Life (C3) Framework for Social Studies State Standards and the National Standard for Civics and Government.

This updated course was originally created for Apex Courses and is now available in Courseware.

World Geography A/B (Not available to home school/shared time students)
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 History Survey A/B (Not available to home school/shared time students)
In World History Survey, learners will study major historical 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. Topics of study include early civilizations, world religions, the Renaissance, the World Wars, and the globalized world of today.

French 1 A/B
In French 1A, they will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of their social life. They will start with basic sentence structures and grammatical tools, and they will communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. Students will also learn about some regions of the French-speaking world that the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.In French 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well-being, and travel and tourism. They will build on what they learned in the French 1A course and communicate by listening, speaking, reading, and writing in French as they internalize new

vocabulary and grammar. They will also learn about some regions of the French-speaking world that the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

French 2 A/B

In French 2A, students will be reintroduced to French in common situations, beginning with describing classes, school friends, teachers, and school supplies. They will discuss different styles of dressing, housing, and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. Students will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, they will discuss different types of cuisine, dining establishments, and dining etiquette. Students will build on what they learned in the French 1B course to communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. They will also learn about some regions of the French-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.In French 2B, students will be reintroduced to French in common situations, beginning with various professions and career plans for the future. They will discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. Students will also describe different hobbies, activities, and crafts that people enjoy. Finally, they will discuss about different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. Students will build on what they learned in the French 2A course to communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. They will also learn about some regions of the French-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

German 1 A/B

In German 1A, students will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of their social life. They will start with basic sentence structures and grammatical tools, and they will communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. Students will also learn about some regions of the German-speaking world that the central characters of each unit are visiting. They will build on this semester's work as they advance in their German studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.In German 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well- being, and travel and tourism. They will build on what they have learned in the German 1A course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. They will also learn about some regions of the German-speaking world that the central characters of each unit are visiting. Students will build on this semester's work as they advance in their German studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

German 2 A/B

In German 2A, students will be reintroduced to German in common situations, beginning with describing classes, school friends, teachers, and school supplies. They will discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer.

They will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, students will discuss different types of cuisine, dining establishments, and dining etiquette. They will build on what they learned in the German 1B course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. Students will also learn about some regions of the German-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their German studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.In German 2B, students will be reintroduced to German in common situations, beginning with various professions and career plans for the future. They will discuss traveling to various regions and the flora and fauna found in each region and describe types of trips, including road trips, camping, and ecotourism. They will also describe hobbies, activities, and crafts that people enjoy. Finally, students will discuss medical specialists, including dentists and veterinarians, and symptoms related to illness and injury. They will build on what they learned in the German 2A course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. They will also learn about some regions of the German-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their German studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

Spanish 1 A/B

In Spanish 1A, students will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of social life. Students will start with basic sentence structures and grammatical tools, and they will learn to communicate by listening, speaking, reading, and writing in Spanish as they learn new vocabulary and grammar. They will also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting.In Spanish 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, art history modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well-being and travel and tourism. They will build on what they learned in the Spanish 1B course to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

Spanish 2 A/B

In Spanish 2A, students will be reintroduced to Spanish in common situations, beginning with describing classes, school friends, teachers, and school supplies. Students will discuss different styles of dressing, housing, and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employer. They will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, students will discuss different types of cuisine, dining establishments, and dining etiquette. They will build on what you learned in Spanish 1B to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.In Spanish 2B, students are reintroduced to Spanish in common situations, beginning with various professions and career plans for the future. They will discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. They will also describe different hobbies, activities, and crafts that people enjoy. Finally, students will discuss about different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. They will build on what they have learned in the Spanish 2A course to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish- speaking world where the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

Spanish 3 A/B

In Spanish 3A, students will be reintroduced to Spanish in common situations, beginning with

various daily routines, describing friends and family, childhood memories and activities, and childhood hopes and aspirations. They will discuss and describe art, such as paintings and sculptures, and literature, such as novels and novellas, and give reactions and form opinions about art and literature. Students will also understand the process of selecting and applying to a university, aspirations at the university, and dealing with leaving home and moving into a dormitory. Further, students will describe university life and expectations from the university experience. They will explore the dynamics and challenges of multiethnic and developing societies, environmental and social issues, causes and possible resolutions, and learning about unfamiliar countries using technology. Finally, they will discuss current events reported in the media, different types of classified and other types of advertisement in the media (both print and online), the sections and supplements of a newspaper or magazine, and various jobs available in the media. Students will build on what they learned in Spanish 2 to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. They will also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their Spanish studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In Spanish 3B, students will be reintroduced to Spanish in a variety of situations, beginning with multiculturalism, bilingualism, cultural influences on traditions, customs, food, and social experiences, and legends and folklore from different cultures. Students will discuss and describe genres of music, poetry, drama, and short stories, and proverbs from different cultures. They will also explore how geographical features affect the weather, and how the geography and weather affect the clothing, food, and livelihoods of the local population. Students will also understand the history of Venezuela and how the Spanish conquerors and indigenous people shaped the culture of the country, and they will learn about the South American independence movement, including some significant freedom fighters and their struggles to win independence. They will also discuss religions practiced in Argentina, the cultural icons of the country and how they compare to cultural icons from other countries, sports and activities in Argentina, some national symbols, such as the gauchos, and idioms and sayings from Argentina. Finally, students will discuss types of wildlife and natural and agricultural resources found in Costa Rica, the human resources of the country that help overcome economic and natural disasters, and how to write formal and informal letters to share experiences. They will build on what they learned in Spanish 3A to communicate by listening, speaking, reading, and writing in Spanish as they internalize new vocabulary and grammar. Students will also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. They will build on this semester's work as they advance in their Spanish studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

AP® Computer Science A

AP® Computer Science 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.

This course has been authorized by the College Board® to use the AP® designation.

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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.

Art Appreciation (Apex)

Art Appreciation is a survey of the history of Western visual arts, with a primary focus on painting. Students begin with an introduction to the basic principles of painting and learn how to critique and compare works of art. Students then explore prehistoric and early Greek and Roman art before they move on to the Middle Ages. Emphasis is placed on the Renaissance and the principles and masters that emerged in Italy and northern Europe. Students continue their art tour with the United States during the 20th century, a time of great innovation as abstract art took center stage. While Western art is the course's primary focus, students finish the course by studying artistic traditions from Africa, Asia, Oceania, and the Americas.

Coverage of each artistic movement highlights historical context and introduces students to key artists who represent a variety of geographic locations. Throughout the course, students apply what they have learned about art critique to analyze and evaluate both individual artists and individual works of art.

This course is built to state standards and informed by the Consortium of National Arts Education Associations standards. It encompasses a variety of skills to enable students to critique, compare, and perhaps influence their own works of art.

This updated course was originally created for Apex Courses and is now available in Courseware.

Art History and Appreciation

This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.

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.

College and Career Preparation I (Apex)

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers.

In College and Career Preparation I, students obtain a deeper understanding of what it means to be ready for college. Students are informed about the importance of high school performance in college admissions and how to prepare for college testing. They know the types of schools and degrees they may choose to pursue after high school and gain wide exposure to the financial resources available that make college attainable.

Career readiness is also a focus. Students connect the link between interests, college majors, and future careers by analyzing career clusters. Students come away from this course understanding how smart preparation and skill development in high school can lead into expansive career opportunities after they have completed their education and are ready for the working world.

Students who complete College and Career Preparation I have the basic skills and foundation of knowledge to progress into College and Career Preparation II, the capstone course that provides hands-on information about the transition from high school to college and career.

This course is built to the American School Counselors Association National Standards for school counseling programs.

This updated course was originally created for Apex Courses and is now available in Courseware.

College and Career Preparation II (Apex)

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers.

College and Career Preparation II builds on the lessons and skills in College and Career Preparation I. The course provides a step-by-step guide to choosing a college. It walks students through the process of filling out an application, including opportunities to practice, and takes an in-depth look at the various college-admission tests and assessments, as well as financial aid options.

College and Career Preparation II also instructs students in interviewing techniques and provides career guidance. Students explore valuable opportunities such as job shadowing and internships when preparing for a career.

Students who complete this course obtain a deeper understanding of college and career readiness through informative, interactive critical thinking and analysis activities while

sharpening their time management, organization, and learning skills that they learned in College and Career Preparation I.

College and Career Preparation II prepares students with the knowledge and skills to be successful in college and beyond. This course is built to the American School Counselors Association National Standards for school counseling programs.

This updated course was originally created for Apex Courses and is now available in Courseware.

Creative Writing

Creative Writing is designed to get students to pursue creative writing as a vocation or as a hobby. To that purpose, it exposes them to different genres and techniques of creative writing and the key elements (such as plot and characterization in fiction) in each genre. Great creative writing doesn't come merely by reading about the craft—one also needs ideas; a process for planning, drafting and revising; and the opportunity to experiment with different forms and genres. The lessons in this course familiarize students with the basic structure and elements of different types or genres of writing.

Creative Writing (Apex)

Creative Writing is an English elective course that focuses on the exploration of short fiction and poetry, culminating in a written portfolio that includes one revised short story and three to five polished poems. Students draft, revise, and polish fiction and poetry through writing exercises, developing familiarity with literary terms and facility with the writing process as they study elements of creative writing.

Elements of fiction writing explored in this course include attention to specific detail, observation, character development, setting, plot, and point of view. In the poetry units, students learn about the use of sensory details and imagery, figurative language, and sound devices including rhyme, rhythm, and alliteration. They also explore poetic forms ranging from found poems and slam poetry to traditional sonnets and villanelles.

In addition to applying literary craft elements in guided creative writing exercises, students engage in critical reading activities designed to emphasize the writing craft of a diverse group of authors. Students study short stories by authors such as Bharati Mukherjee and Edgar Allan Poe, learning how to create believable characters and develop setting and plot. Likewise, students read poetry by canonical greats such as W. B. Yeats and Emily Dickinson as well as contemporary writers such as Pablo Neruda, Sherman Alexie, and Alice Notley. Studying the writing technique of a range of authors provides students with models and inspiration as they develop their own voices and refine their understanding of the literary craft.

By taking the Creative Writing course, students find new approaches to reading and writing that can affect them on a personal level, as the skills they gain in each lesson directly benefit their own creative goals. Students who are already actively engaged writers and readers learn additional tools and insight into the craft of writing to help them further hone their skills and encourage their creative as well as academic growth.

This course is built to state standards and informed by the National Council of Teachers of English (NCTE) standards. This updated course was originally created for Apex Courses and is

now available in Courseware.

Digital Citizenship A/B
Digital Citizenship focuses on the foundations of using computers, keyboarding, and being a responsible digital user. Topics include digital safety, computing devices, online communication, and digital wellness. Students will explore digital etiquette, the issue of cyberbullying, and how to use technology and social media positively, safely, legally, and ethically. The course also delves into a computer's hardware and software components and explains how to troubleshoot common issues. It highlights the importance of finding life balance in a digital world. Finally, students practice using word processing software, spreadsheets, and presentation media in efficient and responsible ways. Lesson Activities, Unit Activities, and a Course Activity help students develop and apply durable skills such as intellectual curiosity, resourcefulness, and social media skills. communication, and creativity. A Course Project focuses on helping students develop additional durable skills such as creative problem-solving, brainstorming, and improving social skills. Videos and interactive content included in the lessons keep students *engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concepts.*

Environmental Science A/B (Not available to home school/shared time students)
Environmental Science is designed to introduce students to the main concepts of environmental science. It will help students gain knowledge of the natural processes that occur in nature and understand their importance and relevance. Students will also gain awareness of some of the environmental issues and challenges we face in the world today, such as land use and management, wildlife conservation, resource and waste management, and the different kinds of pollution. Finally, students will learn about energy sources and production, sustainable development, and environmental policies.

Exploring Agriculture and Business A/B
Exploring Agriculture Science and Business introduces students to agriculture and its role and impact on society. Students learn about food sources, nutrition, food contamination, and food safety principles. They learn about plant structure, plant reproduction, and growth. They also learn about different species and characteristics of livestock and natural resource management. Students explore career opportunities in agriculture science and agribusiness and the durable skills that can influence success in these careers. Finally, students learn about the tools and technologies used in agriculture science and business.

Lesson Activities, Unit Activities, and a Course Activity help students develop and apply durable skills such as organizational skills, professionalism, and constructive feedback. A Course Project focuses on helping students develop additional durable skills such as engaging in research, critical thinking, and ideation. Videos and interactive content included in the lessons keep students engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concepts.

Exploring College and Careers A/B
Exploring College and Careers focuses on personal and career assessment, exploration of career opportunities, academic planning, and financial planning. The course begins with an introduction to self-exploration and explains how to identify aptitudes, interests, skills, values, beliefs, and strengths. It discusses how to interpret self-assessment data to create an initial career and

education plan. It delves into how to develop long-term, mid-term, and short-term goals. The course then explores jobs, occupations, and careers in 16 career clusters. It provides insights into the educational requirements and skills necessary for different professions. The course compares postsecondary educational options such as trade or technical schools, apprenticeships, community colleges, the military, and two- and four-year colleges and universities.

Lesson Activities, Unit Activities, and a Course Activity help students develop and apply durable skills such as analytical thinking, data analysis, and organizational skills. A Course Project focuses on helping students develop additional durable skills such as planning, goal setting, and doing research. Videos and interactive content included in the lessons keep students engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concept

Exploring Health Sciences A/B

Exploring Health Sciences focuses on exploring health science careers. In this course, students will explore various career options in health care, such as biotechnology research, health informatics, and therapeutic, support, and diagnostic services. They will learn about the educational qualifications and skills required for a career in health care. They will analyze the evolution of healthcare in the United States and how it has affected care. They will compare the different areas of health care such as primary care, mental health, public health, pharmaceuticals, and medical devices. Students will also discover the foundational health care skills that will help them be successful in a variety of health careers.

Lesson Activities, Unit Activities, and a Course Activity help students develop and apply durable skills such as presentation skills, creativity, and a growth mindset. A Course Project focuses on helping students develop additional durable skills such as collaboration, teamwork, and reliability. Videos and interactive content included in the lessons keep students engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concepts.

Gothic Literature

Gothic Literature is a one-semester course intended to familiarize students with the different conventions, themes, and elements of Gothic literature through the analysis of representative literary works. Students will discuss classics such as Mary Shelley's novel *Frankenstein*, Ann Radcliffe's novel, *A Sicilian Romance*, Nathaniel Hawthorne's novel, *The Scarlet Letter*, Robert Louis Stevenson's Gothic novella, *The Strange Case of Dr. Jekyll and Mr. Hyde*, and Bram Stoker's *Dracula*.

Students will also analyze Edgar Allan Poe's Gothic short stories, Robert Browning's Gothic poems, and Emily Dickinson's poems about death, mortality, and spirituality. Finally, students will get a glimpse of Matthew Lewis and Percy Bysshe Shelley's Gothic dramas; learn about Gothic parodies and Gothic subgenres; and discuss contemporary Gothic literature.

Introduction to Anthropology

Introduction to Anthropology is a one-semester course that introduces students to the field of anthropology. Students 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.

Introduction to Archaeology

Introduction to Archaeology is a one-semester course that introduces students to the work and techniques involved in archaeology, and the career prospects of an archaeologist. This course covers subject areas such as the history of modern archaeology; discoveries in archaeology; careers in archaeology; research techniques; evidence; site excavation; and many more.

Introduction to Philosophy

Introduction to Philosophy provides students an introduction to the field of philosophy and its great, timeless questions. This one-semester course is intended as a practical guide to help students understand the subject matter of philosophy, its main branches, and the major ideas and issues discussed in each branch. Students will explore the origin and evolution of philosophy as a discipline and learn about the times, lives, and intellectual contributions of essential philosophers.

Introduction to Visual Arts

Introduction to Visual Arts is designed to enable all students at the high school level to familiarize themselves with different types of visual arts. Students will trace the history of art, describe various art forms, and identify the elements of art. After examining the principles of design, students will delve into the parameters involved in evaluating and critiquing art.

Introduction to World Religions

Introduction to World Religions is a one-semester course that familiarizes students with the origins, history, beliefs, and practices of various prominent world religions, primal religions, and contemporary religious movements. The target audience for this course is high school students. This course covers primal religious traditions, Hinduism, Buddhism, Jainism, Sikhism, Zoroastrianism, Judaism, Christianity, Islam, Confucianism, Taoism, and Shinto and contemporary religious movements.

Music Appreciation

In a time of an increasing emphasis on STEM courses and skills, it remains essential to provide your students with opportunities to explore the arts from both an informational and career-oriented perspective. In Music Appreciation, students will explore the history and evolution of music, learn the elements of music and musical notations, and the contributions of popular music artists and composers. A variety of lessons, activities, and discussions will help to develop an awareness and appreciation of music that will develop not only critical thinking skills, but life enriching skills as well.

Music Appreciation (Apex)

Music Appreciation introduces students to the history, theory, and genres of music, from the most ancient surviving examples to the most contemporary in the world at large. The course is offered in a two-semester format. The first semester covers primitive musical forms and classical music. The second semester presents rich modern traditions, including American jazz, gospel, folk, soul, blues, Latin rhythms, rock and roll, and hip-hop.

The course explores the interface of music and social movements and examines how global society and the internet bring musical forms from around the world together in new ways.

This updated course was originally created for Apex Courses and is now available in Courseware.

Mythology and Folklore

Mythology and Folklore is a one-semester course that introduces students to myths, legends, and folklore from around the world. In this course, students will describe myths related to the creation of the world, the natural elements, and the destruction of the world. Students will identify the main characters of various dynastic dramas, love myths, and epic legends and describe their journeys. Finally, students will trace the evolution of folklore and describe folktales from around the world.

Personal Communication (Apex)

Personal Communication is a one-semester course that teaches students how to become effective at verbal and nonverbal expression. In a rapidly changing world filled with constantly evolving technology, social media, and social networking, students need skills to send clear verbal and nonverbal messages and adapt those messages to multiple contexts. Students need to prepare to identify, analyze, develop, and evaluate communication skills in personal, academic, and professional interactions.

Major topics include intrapersonal and interpersonal interaction, informal communication and interviewing, and the preparation and delivery of informal, informational, and persuasive addresses. Students also engage in recognizing bias, resolving conflicts, and evaluating media messages; gain an understanding of elements of ethical communication and group dynamics; and participate in peer review.

This updated course was originally created for Apex Courses and is now available in Courseware.

Psychology (Apex)

Psychology provides a solid overview of the field's major domains: methods, biopsychology, cognitive and developmental psychology, and variations in individual and group behavior.

By focusing on significant scientific research and on the questions that are most important to psychologists, students see psychology as an evolving science. Each topic clusters around challenge questions, such as “What is happiness?” Students answer these questions before, during, and after they interact with direct instruction.

This course is built to state standards and informed by the American Psychological Association's National Standards for High School Psychology Curricula. The teaching methods draw from the National Science Teachers Association (NSTA) teaching standards.

This updated course was originally created for Apex Courses and is now available in Courseware.

Sociology (Apex)

Sociology examines why people think and behave as they do in relationships, groups, institutions, and societies.

Major course topics include individual and group identity, social structures and institutions, social change, social stratification, social dynamics in recent and current events, the effects of social change on individuals, and the research methods used by social scientists.

In online discussions and polls, students reflect critically on their own experiences and ideas, as well as on the ideas of sociologists. Interactive multimedia activities include personal and historical accounts to which students can respond, using methods of inquiry from sociology. Written assignments provide opportunities to practice and develop skills in thinking and communicating about human relationships, individual and group identity, and all other major course topics.

This course is built to state standards and the National Council for the Social Studies (NCSS) Expectations of Excellence: Curriculum Standards for Social Studies.

This updated course was originally created for Apex Courses and is now available in Courseware.

Structure of Writing (not available for home school/shared time students)
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.

Women's Studies
Women's Studies is a one-semester course that introduces students to women's studies, gender studies, and gender roles. The course traces the history of feminism, analyzes feminist theories, and examines intersectionality. Students will learn about social and political movements for the rights of women and other vulnerable groups. Students will also learn about social and family structures and socialization, which include identifying prejudices, biases, and stereotypes that exist in society and how the media perpetuates some stereotypes about gender roles and identities. The course also covers different forms of oppression, ways to prevent oppression, and methods to help and empower victims. Students will learn about international activism for gender equality, legal rights, and the challenges in achieving equality for all citizens from every section of society. The course combines a variety of content types, including lessons, activities, and discussions to engage learners as they discover the significance of women's studies.

Health
This course is based on a rigorously researched scope and sequence that covers the essential concepts of health. Students are provided with a variety of health concepts and demonstrate their understanding of those concepts through problem solving. The five units explore a wide variety of topics that include nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health.

Physical Education
This course's three units include Getting Active, Improving Performance, and Lifestyle. Unit activities elevate students' self-awareness of their health and well-being while examining topics such as diet and mental health and exploring websites and other resources. In addition to being effective as a stand-alone course, the components can be easily integrated into other health and wellness courses.

Physical Education (Apex)

Physical Education combines the best of online instruction with actual student participation in weekly cardiovascular, aerobic, and muscle toning activities. The course promotes a keen understanding of the value of physical fitness and aims to motivate students to participate in physical activities throughout their lives. Specific areas of study include: Cardiovascular exercise and care, safe exercising, building muscle strength and endurance, injury prevention, fitness skills and FITT benchmarks, goal setting, nutrition and diet (vitamins and minerals, food labels, evaluation product claims), and stress management. The course requires routine participation in adult- supervised physical activities. Successful completion of this course will require parent/legal guardian sign-off on student- selected physical activities and on weekly participation reports to verify the student is meeting his or her requirements and responsibilities. Physical Education is built to state standards and informed by the Presidential Council on Physical Fitness and Sports standards.

This updated course was originally created for Apex Courses and is now available in Courseware.

Adaptive Physical Education

This course is designed specifically for students with physical limitations. The content is similar to Fitness Fundamentals 1, but additional modification resources are provided to allow for customized exercise requirements based on a student's situation. In addition, students learn the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students research the benefits of physical activity, as well as the techniques, components, principles, and guidelines of exercise to keep them safe and healthy.

Advanced Physical Education 1

This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly, while participating in physical activities and applying principles they've learned. Basic anatomy, biomechanics, physiology, and sports nutrition are all integral parts of this course. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

Advanced Physical Education 2

This course gives the student an in-depth view of physical fitness by studying subjects such as: biomechanics, nutrition, exercise programming, and exercise psychology. Students will apply what they learn by participating in a more challenging exercise requirement. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

Accounting A/B

Accounting empowers high school students with the essential skills they need to understand accounting basics. Topics covered include the fundamentals of bookkeeping, financial statements, accounting based on the type of firm, specialized accounting tasks, and skills, regulations, and ethics for careers in accounting. Engaging and relevant, this course helps students with an accounting career orientation, and students in need of an overview of essential accounting principles.

Anatomy

In this course students will explore the anatomy or structure of the human body. In addition to learning anatomical terminology, students will study 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.

Credit Recovery Health (Not available to home school/shared time students)
Credit Recovery Health is ideal for students who have had prior exposure to health, yet were unable to receive credit for their previous work by demonstrating mastery of the material. The course contains all the essential content with reduced coursework. Students learn to define mental, social, physical, and reproductive health as well as learning about drugs and safety.

Credit Recovery Physical Education 1 (Not available to home school/shared time students)
Credit Recovery PE is ideal for students who have had prior exposure to physical education, yet were unable to receive credit for their previous work by demonstrating mastery of the material. The course contains all the essential content with reduced coursework. Students learn about the FITT principles, the components of physical fitness, and the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Students participate in weekly physical activity throughout the course.

Credit Recovery Physical Education 2 (Not available to home school/shared time students)
Credit Recovery PE is ideal for students who have had prior exposure to physical education, yet were unable to receive credit for their previous work by demonstrating mastery of the material. The course contains all the essential content with reduced coursework. Students learn about the FITT principles, the components of physical fitness, and the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy.

Students participate in weekly physical activity throughout the course.

Drugs & 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.

Exercise Science A/B

Exercise Science focuses on providing a solid foundation in exercise science to students interested in careers such as athletic training, personal training, physical therapy, nutrition, and recreational therapy. Students explore the concepts of biomechanics and kinesiology, as well as the anatomy and physiology of various body systems. Students identify common diseases and disorders of each system and discuss the diagnosis, prevention, and treatment of these diseases and disorders. Students will also discover how to perform fitness and biometric measurements, complete client evaluations, and design client exercise and rehabilitation programs. In addition, the course covers the basics of nutrition, physical activity, and wellness.

The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The practice test at the end of the course helps students reinforce their understanding of key concepts.

Family & 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 & 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.

First Aid & 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 1

This course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. 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 2

This course takes a more in-depth look at the five components of physical fitness touched on in Fitness Fundamentals 1: muscular strength, endurance, cardiovascular health, flexibility, and body composition. 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.

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.

HOPE (Health Opportunities through Physical Education) 1
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 (Health Opportunities through Physical Education) 2
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.

Health
This course is based on a rigorously researched scope and sequence that covers the essential concepts of health. Students are provided with a variety of health concepts and demonstrate their understanding of those concepts through problem solving. The five units explore a wide variety of topics that include nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health.

Health & Personal Wellness
This comprehensive health 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 semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

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.

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.

Intro 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.

Intro 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.

Intro 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.

Intro 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.

Intro to Individual Sports 2
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.

Lifetime & 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.

Intro to Nursing 1

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

Intro to Nursing 2

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, and crisis management will be included.

Essential Career Skills

Essential Career Skills is a one-semester course that teaches the skills required to achieve success in modern-day careers. Students will learn about personal qualities and people skills that are important in the workplace, such as work ethic, integrity, teamwork, and conflict resolution. Additionally, students will practice skills in communication, math,problem-solving, and critical thinking. The course then covers the structures and functions of business organizations, time, task, and resource management skills, and workplace safety laws and standards. Students will then explore career goals and job opportunities and become familiar with various technologies used to perform job-specific tasks in an organization.

Medical Terminology

In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms

from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.

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.

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.

Personal Health & 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 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.

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.

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.

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.

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.

Accounting A/B
Accounting empowers high school students with the essential skills they need to understand accounting basics. Topics covered include the fundamentals of bookkeeping, financial statements, accounting based on the type of firm, specialized accounting tasks, and skills, regulations, and ethics for careers in accounting. Engaging and relevant, this course helps students with an accounting career orientation, and students in need of an overview of essential accounting principles.

Introduction to Finance

Introduction to Finance is designed to enable students at the high school level to develop financial skills that they can use during their careers in business organizations. Financial literacy is an essential capability for students as they prepare for the workforce, and this course provides the information they need to determine if a career in finance is right for them. The course introduces learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the finance industry.

Business Applications (Apex)

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

This course allows students to explore careers in business while learning skills applicable to any professional setting. Through a series of hands-on activities, students will create, analyze, and critique reports, letters, project plans, presentations, and other professional communications. Regular engagement in active learning ensures students can continually refine the skills necessary to prepare them for work. In addition, students will evaluate the qualifications required for specific careers so they can identify opportunities that are of interest to them.

Business Applications is an introductory level Career and Technical Education course applicable to programs of study in business, management, and administration; information technology; and other career clusters. This course is built to state and national standards. Students who successfully complete the course can go on to obtain the Microsoft® Office Specialist: Microsoft® Office Word certification.*

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

This updated course was originally created for Apex Courses and is now available in Courseware.

Business Information Management A/B

Business Information Management is designed to enable students to develop information management skills that they can use during their careers in business organizations. This course covers career opportunities available in business information management, computing technology for business, and connecting through the internet. Additionally, students will learn to work with documents, spreadsheets, presentation programs, and databases, how to design web pages, and project management skills. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the business information management industry.

International Business

International Business is a one-semester course that covers the fundamentals of international business, international business transactions, and how a business can go global. In this course, students will learn about international business and how globalization has impacted it. They will

learn about global trade and investment policies, and politics and laws that impact international business. Students will also learn about the International Monetary Fund, foreign exchange and global capital markets, key world economies, and economic cooperation across countries. The course also covers strategies to enter the international market along with factors like strategic planning, marketing, global sourcing, and logistics, human resource management, and employability skills. Students also learn about the cultural elements involved in conducting international business.

Principles of Business, Marketing, and Finance A/B

Principles of Business, Marketing, and Finance is designed as a practical, hands-on guide to help students understand the skills required to achieve success in modern-day careers in business, marketing, and finance industries. Topics covered include the fundamentals of business management, sales, marketing, international business, business law, ethics and safety, and resource management. This course makes practical, real-life applications of essential business principles understandable and useful in the daily lives of students and in the careers that they choose.

Professional Communications

The Professional Communications course is designed to enable all students at the high school level to develop communication skills they will need to be successful in a profession. Students learn about the key aspects of the communication process. They learn to apply communication protocol and appropriate language skills in professional and social communication. Students also explore effective strategies to address diversity in communication. Finally, students familiarize themselves with reading, writing, speaking, and listening skills. This course covers topics such as communication in business organizations and technology for communication. The course is based on Career Technical Education (CTE) standards designed to help students prepare for communication in a wide range of professions.

Computer Programming 1 A/B

Computing for College and Careers is intended as a practical, hands-on guide to help students understand basic computer skills required in their college education as well as in their career. This course covers basic computer hardware components, software applications, productivity applications such as word processing software, spreadsheet software, and presentation software, and new hardware and software technologies such as virtualization, cloud computing, green computing, and blockchain technology. This course also explores various career options and provides guidelines on privacy, security, and ethical issues related to software and internet use.

Computer Science Essentials (Apex)

Computer Science Essentials offers a focused curriculum designed around foundational computer science concepts, including computer systems, programming, networks, and data management. The course also introduces students to foundational computer science skills such as coding, troubleshooting, and being a responsible digital citizen.

Course topics include the history and impact of computers; careers in computer science; computing laws and ethics; bias and equity issues in computing; algorithms and coding; data storage, organization, and analysis; hardware and software; robotics; networks and the internet; cybersecurity and online safety; website design; and the use of abstraction in computing. Students discover new concepts through guided instruction and confirm their understanding in an interactive, feedback-rich environment.

A variety of activities encourage students to explore different aspects of computer science. Lab activities guide students through coding their own programs. Project and explore activities reinforce critical thinking, research, writing, and communication skills. In addition, project activities guide students through the development of different types of computer artifacts. In discussion activities, students conduct research on current computing topics and then exchange ideas with their peers. Practice activities provide additional opportunities for students to apply learned concepts and practice their writing, reasoning, and computer literacy skills.

This course is built to state standards.

This updated course was originally created for Apex Courses and is now available in Courseware.

Introduction to Cybersecurity

Introduction to Cybersecurity introduces students to the field of cybersecurity, focusing primarily on personal computer use and vulnerabilities while also highlighting the wider scope of cybersecurity from a societal and career perspective. Specific topics include computer security, VPN and wireless security, risk management, and laws, standards, and ethics related to cybersecurity

Networking Fundamentals A/B

This course is a two-semester course focused on the concepts of networking. Students will learn about careers in networking and employability skills required for a career in networking. Students will learn about the types of networks, network topologies, the Open Systems Interconnection (OSI) model, Internet protocol addresses, and Internet of Things (IoT) technologies. Students will learn about networking devices, cables, media, and connectors. Students will learn to set up a small wired network. Students will learn about network security threats and preventive measures to secure a network. This course also covers network planning, administration, troubleshooting, and maintenance. Students will learn about wireless networking standards and access methods. Students will learn to set up and secure a wireless network. Students will learn about virtual private networks and cloud computing. Students will also learn to troubleshoot issues related to wired and wireless networks. Unit activities in the course help students to develop and apply critical thinking skills. Animations included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students a real computer environment to practice various procedural steps.

Security Fundamentals A/B

Security Fundamentals is designed to enable students at the high school level to develop the critical skills and knowledge necessary for careers in cybersecurity. Students will learn about the basic concepts of cybersecurity, basic computer components, file management, types of networks, Open Systems Interconnection (OSI) model, network protocols, and IP addresses.

This course then covers security threats, prevention methods, and legal and ethical issues in cybersecurity. After gaining an understanding of security agencies, security topologies, quality control systems, and physical security devices, students will explore securing network devices, data security, data backup and recovery, and risk management.

Child Development and Parenting A/B

Child Development and Parenting is designed to familiarize students with the various stages of child development as well as the factors that may prevent the healthy development of a child.

This course explores 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.

Introduction to Military Careers

Introduction to Military Careers is a one-semester course that 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 will 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 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 appealing to a variety of learning styles and keep students engaged.

Personal Finance

Personal Finance is a one-semester course that teaches financial literacy skills to help students plan and achieve career and personal goals. This course focuses on consumer economics, financial services, and personal financial management. Students learn how to budget, spend, invest, and make every day financial decisions. The course also provides an exploration of careers in personal finance and consumer services.

Personal Financial Literacy

Personal Financial Literacy offers an engaging, scaffolded curriculum that introduces key topics and principles necessary to financial literacy. The one-semester course covers earning and spending; savings and investing; credit and debt; protection of assets; and financial planning and decision-making. Through real-life scenarios and hands-on activities, the course explores choosing among banking and investment options, shopping for an auto loan, choosing among career and college options, financing options for continuing education, planning for retirement, and creating and living within a budget. As a social studies course, Financial Literacy is designed to complement courses in Economics and Mathematics for Personal Finance.

This course is built to state standards and further informed by standards from the Council for Economic Education's National Standards for Financial Literacy and the Jump$tart Coalition for Personal Financial Literacy's National Standards in K-12 Personal Finance Education.

This course was originally created for Apex Courses.

Principles of Human Services A/B

The Principles of Human Services course is designed to enable students at the high school level to develop the critical skills and knowledge necessary in the human services industry in careers such as childcare, family services, and personal care services. Students will learn about various personal characteristics that they need to demonstrate in the workplace, such as integrity, and positive work ethics. This course covers topics such as employability skills, counseling and mental health services, and consumer services. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the human services field.

Psychology A/B

Psychology gives your students an overview of the history of psychology while also giving them the resources to explore career opportunities in the field. Students will learn how psychologists develop and validate theories and will examine how hereditary, social, and cultural factors help form an individual's behavior and attitudes. Students will also evaluate the effectiveness of different types of psychological counseling and therapy and describe key statistical concepts used in psychological research and testing. Finally, students will identify and explore career opportunities in psychology.

Relationships and Emotions A/B

Relationships and Emotions is a two-semester course that focuses on various facets and complexities of relationships and emotions. The course begins with an explanation of the importance of communication skills in building relationships. It then delves into problem-solving, critical thinking, time management, and goal setting—all skills essential for a fulfilling life. The course next explores different kinds of relationships, including familial and other common societal relationships, while distinguishing between healthy and unhealthy relationships. In addition, the course discusses conflict resolution, support systems, self-esteem, and self-management strategies.

Lesson Activities, Unit Activities, a Course Activity, and a Course Project help students develop and apply critical thinking skills. Videos and interactive content included in the lessons keep students engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concepts.

Sociology

In the Sociology course, students will explore the evolution of sociology as a distinct discipline while learning about sociological concepts and processes. They will learn how the individual relates to and impacts society. Students will also learn about the influence of culture, social structure, socialization, and social change on themselves and others. The course combines a variety of content types, including lessons, activities, and discussions to engage learners as they discover sociology as a subject and as a career.

Allied Health Careers A/B

Allied Health Careers focuses on the health care delivery system and careers in allied health services. In semester A, students begin by learning the structures and functions of various body systems. They explore common diseases and disorders of each system and discuss strategies and factors that influence overall health and wellness. In addition, semester A covers medical terminology, diagnostic imaging techniques, electrocardiography, common laboratory tests, and respiratory care.

Semester B focuses on the skills and knowledge needed by allied health professionals in various health care fields. It also covers information concerning safety, law, and ethics in health care settings. In addition, students learn important workplace skills related to communication, teamwork, and leadership.

The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos keep students engaged. And the practice test at the end of the course helps students reinforce their understanding of key concepts.

Anatomy and Physiology A/B

Anatomy and Physiology focuses on the anatomy and physiology of the human body. Students learn about the organization and structure of the body, common medical terminology, and the structures and functions of cells and tissues. They also learn about the common diseases and disorders associated with the systems of the body.

The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The practice test at the end of the course helps students reinforce their understanding of key concepts.

Applied Medical Terminology A/B

Applied Medical Terminology helps students understand the structure and meaning of medical terms and identify medical terminology associated with various body systems. As the healthcare industry becomes more complex, developing expertise in accurately and efficiently identifying medical terms and their specific application is essential to a growing variety of health care careers. This course begins to prepare your students for those careers.

Certified Nurse Aide A/B

The course is designed to enable students to learn the key skills and information that they need to work as certified nurse aides. The course will help students develop an understanding of the human body, physical and nutritional needs, mental health needs and teach them to provide culturally competent and quality care to clients in a safe and healthy environment. The course is based on the NNAAP Exam syllabus and is designed to prepare students to take the exam and become certified nurse aides. The course has animations and videos that demonstrate key skills that students must acquire to work as nurse aides. The practice test at the end of the course gives students practice on the written exam that they'll need to give to become certified nurse aides.

Exercise Science A/B

Exercise Science focuses on providing a solid foundation in exercise science to students interested in careers such as athletic training, personal training, physical therapy, nutrition, and recreational therapy. Students explore the concepts of biomechanics and kinesiology, as well as the anatomy and physiology of various body systems. Students identify common diseases and disorders of each system and discuss the diagnosis, prevention, and treatment of these diseases and disorders. Students will also discover how to perform fitness and biometric measurements, complete client evaluations, and design client exercise and rehabilitation programs. In addition, the course covers the basics of nutrition, physical activity, and wellness.

The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The practice test at the end of the course helps students reinforce their understanding of key concepts.

Health Information Management A/B

Health Information Management introduces students to the U.S. healthcare system and the basic concepts related to health information management. Students will gain an understanding of information systems in health care; the evolving role of health data in

health information systems; and how professionals in this field use data to support the clinical, financial, administrative, and research functions of an organization.

This course offers students insight into career opportunities in health information management and opportunities for advancement and employability skills for a successful career. Students will also learn about the key laws, regulations, and ethical standards that govern professionals in health information, such as the Health Insurance Portability and Accountability Act (HIPAA), the American Health Information Management Association (AHIMA) Code of Ethics, and laws on worker safety.

Health Science 1 A/B

Health Science 1 is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in careers in the health science industry. The course will engage students to understand the basic structure and function of the human body, biomolecules such as proteins, carbohydrates, and lipids, and biological and chemical processes. Students will also learn to identify and analyze diseases and medical procedures related to each body system, while developing an understanding of medical terminology.

Health Science 2 A/B

Health Science 2 is designed to enable students to learn the basics of health science. In the course, students will develop an understanding of the academic qualifications, personal skills, training, and use of healthcare tools required to work in the healthcare industry. The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the healthcare industry.

Medical Coding and Billing A/B

Medical Coding and Billing prepares high school students for a career as a medical coding and billing specialist. The topics covered in this course provide a strong foundation for students planning to take a certification exam, such as the Certified Professional Coder (CPC) exam or the Certified Coding Associate (CCA) exam.

This course presents an overview of the U.S. healthcare delivery system and explains what medical coders and billers do to keep this system operating efficiently. After a review of the anatomy and physiology of humans, students will then explore medical coding and billing jobs in different settings, including hospitals, physicians' offices, and insurance companies. This course also provides coverage of the ICD-10-CM, CPT®, HCPCS, and ICD-10-PCS coding systems and an overview of the medical billing process and healthcare revenue cycle management.

Medical Therapeutics A/B

Medical Therapeutics focuses on identifying employment and entrepreneurial opportunities in medical therapeutics. Students create a career plan and develop a variety of skills related to communication, teamwork, and leadership. They also learn about laws, ethics, and workplace and equipment safety, as well as electronic health records and the health care delivery system. Students also explore the major body systems and identify common diseases and disorders of each system. Finally, students demonstrate proficiency in the use of medical terminology.

The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students

engaged. The end-of-semester test at the end of the course helps students reinforce their understanding of key concepts.

Principles of Health Science A/B

With an engaging and interactive instructional approach, the Principles of Health Science course provides students with a comprehensive overview of health science topics and careers. Health science professionals are in increasing demand, and this course is an effective way to introduce students to a wide array of health science careers. Students will learn about the history of healthcare in the United States, job opportunities in the five healthcare systems, the qualifications and skills required to work in the healthcare sector, and factors that are important in a workplace environment such as communication skills, knowledge of laws and ethics related to health care, and knowledge of health and wellness.

Additionally, the course covers medical terminology, human anatomy, homeostasis, and different stages of human life.

Rehabilitation Careers A/B

Rehabilitation Careers focuses on the skills and knowledge needed by professionals in rehabilitation therapy. Students are introduced to various careers in rehabilitation and learn about employment opportunities in this field. They learn about the anatomy and structure of the human body and common medical terminology. In addition, students will discover patient care skills, how to estimate insurance costs for patients, and safety guidelines for working in a rehabilitation career.

The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos included in the lessons keep students engaged. The practice test at the end of the course helps students reinforce their understanding of key concepts.

Culinary Arts A/B

Culinary Arts is intended to help students gain an understanding of the history and development of the culinary arts as well as practical skills for careers in the culinary industry. This course covers the basics of nutrition, health, safety, and sanitation and the basic science principles used in cooking. Students will be exposed to the culinary skills required to make a variety of food items. Additionally, students will become familiar with menu planning, food presentation, different service styles, and kitchen management skills. This course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the culinary industry.

Food Handler and Food Manager Certifications

The Food Handler and Food Manager Certifications course helps students learn what they need to know to be successful in the National Restaurant Association (NRA) ServSafe® Food Handler and Manager Certification exam. The five units of the course arm students with the knowledge and skills to provide safe food to customers as a food handler or a food manager. Key topics include the principles of food safety, hygiene practices, time and temperature control, food procedures from initial purchasing to final serving, procedures for cleaning and sanitizing, and food service inspection protocols.

Hospitality Management A/B

Hospitality Management is a two-semester course that focuses on the knowledge and skills

needed by professionals in the hospitality and tourism industry. Students are introduced to the history of this vibrant industry, its economic significance, and its social and environmental impact. They learn about the various segments of the industry, including the departments of a hotel, tourism, and conventions and meetings. Students also explore management functions, such as staffing and leadership.

Lesson Activities, Unit Activities, a Course Activity, and a Course Project help students develop and apply critical thinking skills. Videos and interactive content included in the lessons keep students engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concepts.

Nutrition and Wellness

Nutrition and Wellness is a one-semester introductory course that covers the basics of nutrition and health. The course introduces students to nutrients, their food sources, their functions, nutrient recommendations, and food labeling.

Students will learn about the digestive and metabolic processes in the human body and discuss factors that affect health, wellness and fitness, and the nutritional needs through the life and for specific conditions. Food management principles, such as safe food handling practices, foodborne pathogens and illnesses, food preparation and presentation techniques, menu planning, and technological advances and marketing trends in the food industry are covered in this course. Finally, students will explore career options in the field of nutrition and wellness and learn about goal setting, planning a career, and workplace skills and ethics.

Sports and Entertainment Marketing

Sports Entertainment and Marketing is a one-semester course intended to help students gain an insight into the field of sports, entertainment, and recreation marketing. This course covers fundamental concepts in sports, entertainment, and recreation marketing. It also covers essential skills related to advertising, sponsorship, and marketing campaigns. In addition, the course covers crucial workplace skills, such as teamwork and leadership skills.

Career Explorations

Career Explorations is intended as a practical, hands-on guide to enable students to explore career opportunities in different career clusters and pathways. In addition to exploring career options, students will develop an academic and career plan, learn essential skills for success in college and a variety of careers, and prepare to enter the job market. Career Explorations also helps students build confidence as they prepare to embark on their chosen careers.

Computing for College and Careers A/B

Computing for College and Careers is intended as a practical, hands-on guide to help students understand basic computer skills required in their college education as well as in their career. This course covers basic computer hardware components, software applications, productivity applications such as word processing software, spreadsheet software, and presentation software, and new hardware and software technologies such as virtualization, cloud computing, green computing, and blockchain technology. This course also explores various career options and provides guidelines on privacy, security, and ethical issues related to software and internet use.

Essential Career Skills

Essential Career Skills is a one-semester course that teaches the skills required to achieve

success in modern-day careers. Students will learn about personal qualities and people skills that are important in the workplace, such as work ethic, integrity, teamwork, and conflict resolution. Additionally, students will practice skills in communication, math, problem-solving, and critical thinking. The course then covers the structures and functions of business organizations, time, task, and resource management skills, and workplace safety laws and standards. Students will then explore career goals and job opportunities and become familiar with various technologies used to perform job-specific tasks in an organization.

Forestry and Wildlife Management A/B

Forestry and Wildlife Management is a two-semester course that begins by identifying employment and entrepreneurial opportunities in forestry, wildlife, and natural resource management. Students learn about safety hazards and procedures in the industry. They also learn about soil, mineral, plant, water, forest, and wildlife management, as well as the laws that govern these professions. In addition, students learn about the tools and practices used in forestry and wildlife management careers. Finally, they learn about the carrying capacity of rangelands and the consequences of overgrazing.

Lesson Activities, Unit Activities, a Course Activity, and a Course Project help students develop and apply critical thinking skills. Videos and interactive content included in the lessons keep students engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concepts.

Foundations of Green Energy A/B

This is a two-semester course for high school students who want to understand the rapidly growing and evolving energy field, with special emphasis on electrical energy and on new and emerging energy technologies. The course is designed to address state standards in the Energy and STEM domains as well as the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). Unit topics include the energy industry; energy science and efficiency; electrical generation, transmission, and distribution; conventional, alternative, and emerging energy sources; health, safety, and security issues; and energy careers and pathways, from entry level to professional.

Introduction to Marine Biology

Introduction to Marine Biology is designed to introduce students to oceanic features and processes, ocean habitats and ecosystems, life forms in the ocean, and types of interactions in the ocean. Students will learn about the formation and characteristic features of the oceans. They will learn about the scientific method and explore careers available in marine biology. The course then covers the characteristic features of different taxonomic groups, habitats, life forms, and ecosystems that exist in the oceans and different adaptations marine creatures possess to survive in the ocean. Students will learn about succession and the flow of energy in marine ecosystems, as well as the resources that the oceans provide and the threats that the oceans face from human activities.

Introduction to Veterinary Science

Introduction to Veterinary Science is designed to introduce students at the high school level to the fundamentals of veterinary science. The students will explore the history of veterinary science and the skills and requirements for a successful career in the veterinary industry. They will also explore the anatomy and physiology of animals, learn how to evaluate animal health, and determine effective treatments for infectious and noninfectious diseases in animals.

Additionally, they will learn about zoonotic diseases, and the impact of toxins and poisons on animal health.

Natural Resources A/B

Natural Resources is a two-semester course that focuses on the sustainable management of natural resources such as air, water, minerals, energy sources, soil, and land. The course begins with an introduction to types of natural resources, including biotic, abiotic, renewable, and nonrenewable resources, as well as their geographic distribution and uses. It explores how human activities affect the availability of natural resources and examines the environmental and economic consequences of natural resource use and overuse. In addition, the course covers soil, land, forest, and rangeland management. Students will discover career options and the skills needed within the natural resources industry, as well as workplace safety regulations. Finally, the course examines the laws and regulations that govern natural resource use and management.

Lesson Activities, Unit Activities, a Course Activity, and a Course Project help students develop and apply critical thinking skills. Videos and interactive content included in the lessons keep students engaged and make technical concepts easy to understand. The end-of-semester test helps students reinforce their understanding of key concepts.

Principles of Agriculture, Food, and Natural Resources A/B

In the Principles of Agriculture, Food, and Natural Resources course, students will learn about various career options in the agriculture, food, and natural resources industries. They will learn about technology, safety, and regulatory issues in agricultural science. They will also learn about topics related to agriculture, such as international agriculture and world trade, sustainability, environmental management, research, development, and future trends in the industry. The course helps students understand how the rising demand for sustainable food sources can be met while also meeting the challenge of producing higher yields to feed a growing world.

Biotechnology A/B

Biotechnology focuses on the fundamentals of biotechnology. In semester A, students become familiar with the basics of cell biology and molecular biology. They describe the structures and functions of DNA, RNA, and proteins, and they are introduced to the concepts of polymerase chain reactions, recombinant DNA technology, and protein engineering. Finally, students learn the significance of safety protocols in the laboratory and apply advanced laboratory techniques to perform an experiment.

Topics covered in semester B include genetics, regulations that apply to biotechnology, and biotech careers. Students learn about the contributions of various scientists, the importance of the discovery of DNA, and genetic engineering. They explore biotechnology in industry, agriculture, and medicine and discuss the latest trends in the field and its impact on society.

The lesson activities, unit activities, course assignment, and course project help students develop and apply critical thinking skills. The videos keep students engaged. Simulations help students practice various laboratory techniques. And the practice test at the end of the course helps students reinforce their understanding of key concepts.

Electronic Communication Skills

Electronic Communication Skills is a one-semester course that is based on Career and Technical Education (CTE) standards to help students prepare for entry into a wide range of

careers and/or into postsecondary education. The course is designed to enable students at the high school level to develop electronic communication skills that they can use in their careers. Students will learn computer basics, keyboarding techniques, working with documents and presentations, and safe use of the internet.

Game Development

Game Development teaches students the ins and outs of game development to prepare them for a career in the field. This course covers the history of video games, character development, mobile game design, user interface design, social gaming, and the principles of development design and management methodologies. While fun and highly engaging, the course focuses on laying a strong foundation for a career in game development.

Introduction to Astronomy

Introduction to Astronomy is a one-semester course that is designed to enable students to learn the basics of astronomy. The course begins with coverage of the history of astronomy from ancient times to modern times. **Students** then learn to identify the movements of the Sun, Moon, planets, and stars across the sky and to describe the formation of the solar system and the role of the Sun and Moon in the solar system. The course goes on to cover the causes of seasons on Earth and why Earth can sustain life. The course culminates in a study of the stars, galaxies, and the Milky Way, various theories of cosmology, and advantages and disadvantages of space exploration. The target audience for this course is high school students.

Principles of Engineering and Technology A/B

The Principles of Engineering and Technology course provides students with essential STEM knowledge and an effective overview of STEM careers. Students will become familiar with engineering systems and technologies, the process of engineering design, and manufacturing technologies and processes. Additionally, the course covers communication skills and team and resource management.

Robotics I A/B

This two-semester course is focused on the concepts related to robots and how to construct a robot. Students will learn about the history and applications of robotics. Students will learn about the job opportunities and employability skills in the field of robotics. Students will also learn about the basic concepts of six simple machines, electricity, electronic circuits, Boolean algebra, magnetics, and their applicability to robotics. Students will apply safety procedures and construct a simple robot. Students will also learn about project management and the engineering design process. Students will learn about the programming languages used in robotics. Students will create a simple robotic arm. Students will also construct a robot using programming. Students will learn about ethics and laws related to robotics. Students will also learn how to test and maintain a robot. Online discussions and unit 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. Required lab materials note: This course contains hands-on labs that employ relatively-common household materials to provide a valuable laboratory experience. Please refer to the Student Syllabus or Teacher's Guide for a detailed list of required lab materials and options for purchasing kits.

Revolutionary Ideas in Science

Revolutionary Ideas in Science is a one-semester course with lessons that cover the

discoveries and inventions in science from prehistoric to present times. This course covers topics such as: prehistoric science, technology, ancient and medieval science, the scientific revolution, thermodynamics and electricity, and many more.

Web Technologies A/B

The Web Technologies course provides students with the essentials of web design and helps them discover what makes a site truly engaging and interactive. Lessons on topics such as design principles, graphics, and web standards help students understand the elements of effective and dynamic web design. Students will create web pages in HTML, use JavaScript to create basic scripts, create DHTML and XML documents, and use a WYSIWYG editor. Finally, students will learn how to launch a website and describe the administration of web servers.

Principles of Transportation, Distribution, and Logistics A/B

Principles of Transportation, Distribution, and Logistics will introduce your students to an industry that delivers what people want, when and how they want it. The TDL industry is essential to creating global economic growth through increasingly more efficient delivery of goods and services. This course will help to develop both the quantitative and qualitative skills and knowledge required for students to prepare themselves for a successful TDL career. The course also addresses the relevant logistical and geopolitical issues that impact global trade.

Principles of Government and Public Administration A/B

Principles of Government and Public Administration is designed to enable students at the high school level to explore career opportunities in the field of government and public administration and the career-related skills they need to possess as professionals in this field. Students will learn about the history and development of the US Constitution, the functions of government and public administration in the United States and working conditions necessary for safety in the field of government and public administration. This course covers topics such as: the influence of geography and technology, and networking and communication as they relate to government and public administration. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in government and public administration industry.

Audio/Video Production 1 A/B

Audio/Video Production 1 is designed to enable students to learn the basics of audio/video production. The course will help students develop an understanding of the industry with a focus on pre-production, production, and post- production audio and video activities, video production (including using advanced techniques), and careers and ethics in audio/video production. The course is based on Career and Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio/video production industry.

Audio/Video Production 2 A/B

Audio/Video Production 2 is designed to enable students to develop the knowledge and skills related to audio/video techniques that they can use in their careers. This course covers the

elements of audio/video production, pre production activities, production activities, post production activities, media production techniques, media formats and distribution, and media ethics and critique. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio/video production industry.

Audio/Video Production 3 A/B

Audio/Video Production 3 is designed to enable students to understand basic concepts in audio/video manufacturing. Students will learn about pre production techniques, advanced production techniques, advanced post-production techniques, mastering production techniques, special effects and animation, and audio/video careers and production laws. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in audio/video production.

Digital and Interactive Media A/B

Digital and Interactive Media is a comprehensive introduction to careers in the rapidly expanding world of digital art. The course covers creative and practical aspects of digital art as well as careers, training, and emerging technologies in digital media. Students will learn concepts involved in digital media, such as graphic design, principles of design, digital printing, digital communication systems, and digital publishing. This course explores various career options and students will create a digital portfolio.

Graphic Design and Illustration A/B

The Graphic Design and Illustration course allows students to develop an understanding of the industry with a focus on topics such as history of graphic design, types of digital images, graphic design tools, storing and manipulating images, design elements and principles, copyright laws, and printing images. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in careers in the graphic design industry.

Introduction to Fashion Design

Introduction to Fashion Design focuses on the practical aspects of career preparation in the fashion design industry. The lessons in the course provide students with both breadth and depth, as they explore the full gamut of relevant topics in fashion design. This course provides students insight on the history of fashion and its place in the modern world and helps students understand terms and concepts related to fashion. Students explore fashion forecasting, predicting consumer demand, pricing, and other activities involved in the fashion process from the inspiration for a garment to creating sketches until the final product takes shape.

Principles of Arts, Audio/Video Technology, and Communications A/B

Principles of Arts, A/V Technology, and Communications appeals to students' familiarity with a variety of sensory inputs and stimuli. With an emphasis on visual arts, the lessons in the course introduce learners to careers in design, photography, performing arts, fashion, and journalism, among others. This course covers inherently engaging topics that will stimulate your students as they consider careers in which the arts, technology, and communications

intersect.

Professional Photography A/B

Few recent technical innovations have changed an industry as fundamentally as digital photography has changed everything about the way we capture our lives in the way we take, edit, store, and share pictures. Professional Photography provides a practical, hands-on guide to help students understand the skills required to achieve success in photography careers. This course will cover various topics, such as types of photography, using digital cameras, photographic lighting and composition, manipulating images, printing photos, darkroom development, evaluating photographs, and print production. By the end of the courses, students will learn how to create a photography portfolio.

Theater, Cinema, and Film Production

Theater, Cinema, and Film Production is a one-semester course that explores what goes into the making of a theater and film production. The course's lessons focus on the pre-production, production, and post-production stages of theater and film productions. Students will be introduced to theater and film, and their different genres and subgenres. They will also learn about roles and responsibilities of the cast and crew, including the director, actors, screenplay writers, set designers, wardrobe stylists and costume designers, and makeup artists. The course also covers technical aspects, such as lighting and sound. Students will also learn about the influence of the audience on theater, cinema, and film production. The course combines a variety of content types, including lessons, activities, and discussions to keep students engaged as they discover the world of theater, cinema, and film production.

Principles of Education and Training A/B

Principles of Education and Training is designed to enable students at the high school level to learn the basics of education and training. Students will learn about various trends and factors that influence the education industry. This course introduces various career opportunities in the field of education. The course topics include personal and professional skills needed in various education careers, child growth and development, child health, delivering instruction, and technology in education. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the education industry.

Drafting and Design A/B

Drafting and Design gives students a comprehensive look at the fundamental concepts of drafting and design. In this course, students will explore types of drafting tools, drafting conventions, sketching and drawing techniques, types of views and projections, computer-aided design and drafting (CADD) operations, and the development of a prototype. This course features skill-embedded content that connects student learning to real-life experiences. Additionally, students will develop key professional and personal skills that are helpful in having a successful career in the field of drafting and design.

Principles of Architecture and Construction A/B

In the Principles of Architecture and Construction course, students will learn about various career options in the field. The course covers foundational concepts of architecture and construction such as architectural drawings, structure and loads, materials, and equipment used in architecture and construction. Students then learn the key concepts of urban design and its relationship with city government and about construction documents and standards. The course

also covers workplace skills and ethics and basic computing skills.

Entrepreneurship A/B

Entrepreneurship is a course that is based on Career Technical Education (CTE) standards designed to help students understand the roles and attributes of an entrepreneur, marketing and its components, selling process, and operations management. In this course, students will explore entrepreneurship and the economy, marketing fundamentals, managing customers, production and operations management, money, and business law and taxation.

Introduction to Social Media

Introduction to Social Media is a one-semester course intended to familiarize students with the evolution and rapid growth of social media. The course explores different types of social media platforms, their features, and their benefits and risks. Students will learn about wikis and crowdsourcing and how social media is used for marketing. The course also covers online security and privacy risks, safety guidelines, and what it means to be a good digital citizen.

Marketing, Advertising, and Sales

Issues in marketing, advertising, and sales promotion are evolving rapidly in an increasingly digital environment. The Marketing, Advertising, and Sales course effectively helps your students prepare for a career in that environment through a comprehensive look at essential marketing principles, interactive tools and channels, and the growing impact of data in marketing and advertising. This course provides an overview of all the fundamental topics necessary to effectively put your students on a career path that unleashes their creativity and develops and leverages their critical thinking skills.

Introduction to Criminology

Introduction to Criminology is a one-semester course that is designed to enable students to understand basic concepts related to criminology. The target audience for this course is high school students. This course allows students to analyze and compare various theories related to criminology. Additionally, students will explore topics such as punishing offenders, deterring criminal behavior, and eliminating injustice with peace.

Introduction to Forensic Science

Introduction to Forensic Science is designed to introduce students to the importance and limitations of forensic science and explore different career options in this field. They also learn to process a crime scene, collect and preserve evidence, and analyze biological evidence such as fingerprints, blood spatter, and DNA samples. Moreover, they learn to determine the time and cause of death in homicides and analyze ballistic evidence and human remains in a crime scene. Finally, they learn about forensic investigative methods related to arson, computer crimes, financial crimes, frauds, and forgeries.

Principles of Law, Public Safety, Corrections, and Security A/B

The Principles of Law, Public Safety, Corrections, and Security course is intended as a practical, hands-on guide to help students understand the functioning of law enforcement agencies, courts, the correctional system, and security and emergency agencies. 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. Through this course, students will

understand the personal, professional, and technological skills required by professionals working in the fields of law, public safety, corrections, and security.

Principles of Manufacturing A/B
Principles of Manufacturing is a course designed to help your students understand various manufacturing processes, concepts, and systems, and to introduce them to the various career paths available to them in manufacturing. This course emphasizes STEM principles while also covering practical aspects of manufacturing such as marketing and regulatory issues, as well as issues related to launching and managing a manufacturing business.

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. ACT® is a registered trademark of ACT, Inc.**ACT® Mathematics**
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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.ACT® is a registered trademark of ACT, Inc.

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. ACT® is a registered trademark of ACT, Inc.

ACT® WORKKEYS
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:

Applied Mathematics - Leveled , Graphic Literacy, and Workplace Documents. ACT and WORKKEYS are registered trademarks of ACT, Inc.

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.

Accuplacer® Mathematics
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Preparation for the GED® Test - Math
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Preparation for the GED® Test - Reading Language Arts (RLA)
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Preparation for the GED® Test - Science
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Preparation for the GED® Test - Social Studies
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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. SAT® is a registered trademark of the College Board, which was not involved in the production of, and does not endorse, this product.

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. SAT® is a registered trademark of the College Board, which was not involved in the production of, and does not endorse, this product.

SAT® Writing and 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. SAT® is a registered trademark of the College Board, which was not involved in the production of, and does not endorse, this product.

ELL Foundations: Level 1 (Not available to home school/shared time students)

ELL Foundations: Level 1 provides 32 interactive lessons based on beginning-level multicultural readings that reflect the diverse backgrounds of English language learners. Readings include fiction, poetry, informational texts, and culturally informed myths. Educators are supported with built-in reporting, grading, and standards-alignment capabilities. They will also have access to complete lesson plans designed to maximize learning. The course is composed of online student tutorials with beginning-level readings, vocabulary and comprehension activities for on- or offline assignments, and mastery tests to gauge student comprehension and progress. Students and teachers will also enjoy the familiar structure and user experience of Edmentum Courseware.

ELL Foundations: Newcomer (Not available to home school/shared time students)

ELL Foundations: Newcomer provides 23 vocabulary-focused, interactive lessons based on clear representation and developmentally appropriate art of entry-level vocabulary for school success. Educators are supported with built-in reporting, grading, and standards-alignment capabilities. They will also have access to complete lesson plans designed to maximize learning. The course is composed of online student tutorials with beginning-level readings, vocabulary and comprehension activities for on- or offline assignments, and mastery tests to gauge student comprehension and progress. Students and teachers will also enjoy the familiar structure and user experience of Edmentum Courseware.