Table of Contents

Abbreviation Legend

Credit

1 Credit Course = 36 Units

½ Credit Course = 18 Units

¼ Credit Course = 9 Units

Sections

Courses are also broken into sections.

Units 1 to 18 to section A

Units 1 to 9 to section A1

Units 10 to 18 to section A2

Units 19 to 36 to section B

Units 19 to 27 to section B1

Units 28 to 36 to section B2

Abbreviation Key

CR: Credit Recovery

M: Modified

S: Spanish - The course is written in Spanish

P: Practical

RE: Remedial

F: Foundations

Course Catalog
K-5
2024 -2025

vla@jcesc.org

ENGLISH K-5

ELA English K

COURSE NUMBER: ELA00

EMIS CODE: 050152

CREDIT: 1

In the ELA English K (Kindergarten) course, learners build a solid foundation in reading, writing, and communication through a blend of virtual instruction by a VLA Teacher and hands-on activities led by an on-site mentor. The curriculum focuses on phonemic awareness and phonic analysis, using interactive content to help students match sounds with symbols and quickly recognize words. Writing skills are developed starting from basic letter formation to constructing short sentences, using both digital and traditional methods. Communication skills are enhanced as students practice speaking and listening, delivering presentations to family and peers. This course leverages modern technology to allow each student to progress at their own pace, fostering crucial early literacy skills for academic success. All necessary materials are provided through the virtual platform, with supplementary printable resources to ensure comprehensive learning experiences.

ELA English 110

COURSE NUMBER: ELA01

EMIS CODE: 050152

CREDIT: 1

In the ELA English 110 (1st Grade) course, young learners are engaged with a dynamic curriculum that focuses on foundational skills, writing, language, and speaking & listening. This course introduces engaging thematic units such as "Nouns and Vegetables," "Planets and Prepositions," and "Headed To Second Grade: Final Assessment." Each unit is designed to build upon previous knowledge and introduce new concepts in an exciting manner. Students delve into a variety of topics including grammar, reading comprehension, and thematic vocabulary. Educational technology tools like BookFlix, BrainPOP, and Starfall are integrated to enhance learning, ensuring a deep understanding of the material. By the end of the course, students will have significantly improved their reading and writing skills, preparing them for the next academic level, while fostering a love for learning through interactive content and active participation.

ELA English 120

COURSE NUMBER: ELA02

EMIS CODE: 050152

CREDIT: 1

In the ELA English 120 (2nd Grade) course, students are immersed in a structured curriculum that enhances foundational skills, writing, language, speaking & listening, and spelling. The course includes a series of engaging thematic units such as "Alliteration All Around," "Let's Talk about Food Chains," and "Headed To Third Grade: Final Assessment." These units are crafted to deepen existing knowledge and introduce new and exciting concepts, covering a wide range of topics from grammar and reading comprehension to thematic vocabulary and language arts. Educational technology tools like BookFlix, BrainPOP, and Starfall are seamlessly integrated to enrich the learning experience, ensuring students gain a comprehensive understanding of each subject. By the end of the course, students will have significantly advanced their reading and writing abilities, preparing them for the challenges of third grade. This curriculum is designed to cultivate a sustained love for learning through interactive content and active engagement, helping students achieve academic success and develop essential communication skills.

ELA English 130

COURSE NUMBER: ELA03

EMIS CODE: 050152

CREDIT: 1

In the ELA English 130 (3rd Grade) course, students engage in an integrated curriculum that focuses on Spelling and Vocabulary, the Reading Process (Literary and Informational), Grammar and Composition, Oral and Visual Communication, and Cursive Handwriting. The course utilizes a variety of educational technologies including Spelling Training, Quizlet, BookFlix, BrainPOP, Edpuzzle, and IXL to create a dynamic and interactive learning environment. Students will explore a broad range of literary forms and themes across units like "Fantasy vs. Realism," "Fairy Tales: Comparing Different Literary Texts," and "Poetry: Understanding Poetry." Each unit is designed to deepen understanding and enhance skills through a structured sequence that emphasizes critical thinking and comprehension. By the end of the course, students will have a comprehensive grasp of third-grade language arts, equipped with the ability to critically analyze texts and express themselves effectively in both written and oral forms. This program aims to foster a love of learning and a solid foundation in the essentials of language arts, preparing students for more advanced studies.

ELA English 140

COURSE NUMBER: ELA04

EMIS CODE: 050154

CREDIT: 1

In the ELA English 140 (4th Grade) course, students explore a comprehensive curriculum that emphasizes reading, grammar, and writing skills. This course integrates speaking and listening standards, encouraging discussions and presentations, and interweaves subjects like science into literacy learning. Students engage with a variety of literary genres such as chapter books, tall tales, fables, and informational articles, which help develop reading fluency and comprehension. Writing instruction focuses on using the writing process for diverse applications, including journal entries, poetry, reports, and story retelling. Key educational technology like Fathom Reads supports and enhances learning experiences. Through carefully designed units, students progressively build and refine their literacy skills, preparing them for more complex reading and writing challenges in the future.

ELA English 150

COURSE NUMBER: ELA05

EMIS CODE: 050154

CREDIT: 1

In the ELA English 150 (5th Grade) course, students are immersed in an integrated curriculum that combines reading, writing, and language skills. Throughout the course, students will engage with both informational texts and literature, learning to read, comprehend, and analyze these texts deeply. They will apply the writing process to craft opinion, informative, and story analysis essays. Each unit includes studying word roots and applying grammar and language conventions. Students also maintain a reading journal and independently explore novels, including "Shiloh" by Phyllis Reynolds Naylor and "Number the Stars" by Lois Lowry, provided in PDF and ebook formats within the course. This comprehensive approach ensures students develop critical literacy skills, preparing them for more advanced studies and fostering a lifelong love of reading and writing.

MATH K-5

MATH Math K

COURSE NUMBER: MATH00

EMIS CODE: 110003

CREDIT: 1

In the MATH Math K (Kindergarten) course, young learners explore the theme "Numbers and Geometric Ideas in the Physical Environment," blending natural curiosity with foundational mathematical concepts. This course emphasizes representing and comparing whole numbers through activities like counting objects, modeling simple math problems, and understanding cardinalities. Students also delve into geometry by describing shapes and spatial relationships, using basic two-dimensional and three-dimensional shapes to relate to their environments. The curriculum is brought to life with engaging animations, songs, poems, and hands-on activities, all supported by an on-site mentor and an online VLA Teacher. Over the duration of the course, students will engage with units ranging from "Sorting, the Numeral Zero" to "Counting to 100," each designed to build confidence and proficiency in early math skills. This approach ensures that students not only grasp key mathematical concepts but also enjoy the learning process through interactive and playful methods.

MATH Math 110

COURSE NUMBER: MATH01

EMIS CODE: 110003

CREDIT: 1

In the MATH Math 110 (1st Grade) course, students focus on four critical areas aligned with the Common Core Standards. These include: (1) developing an understanding of addition, subtraction, and strategies for these operations within 20; (2) understanding whole number relationships and place value, particularly grouping in tens and ones; (3) exploring linear measurement and measuring lengths with iterating length units; and (4) reasoning about and composing and decomposing geometric shapes. The course is supported by educational technology like BrainPOP to enhance learning. Units cover a range of topics from basic operations like "Relate Counting to Addition and Subtraction" to more complex concepts such as "Fractions: Halves" and "Creating Shapes." This structured approach ensures students build a strong foundation in first-grade mathematics, developing critical thinking and problem-solving skills that will serve them throughout their educational journey.

MATH Math 120

COURSE NUMBER: MATH02

EMIS CODE: 110003

CREDIT: 1

In the MATH Math 120 (2nd Grade) course, students delve into essential mathematical concepts such as numbers, measurement, geometry, patterns, and data analysis. The curriculum is designed to enhance students' understanding of base-ten notation, improve fluency in addition and subtraction, introduce standard units of measure, and deepen their ability to describe and analyze shapes. Each unit, including topics such as "Counting by Tens," "Fractions," and "Basic Geometry," is structured to build upon their foundational skills and encourage analytical thinking. The course incorporates educational technology like BrainPOP and utilizes Math-Aids.Com, a resource for generating unlimited practice worksheets, to support and extend learning outside the classroom. As students progress through units like "Data-Probability" and "Symmetry," they develop a comprehensive skill set that prepares them for more advanced mathematical challenges. This integrated approach ensures a thorough understanding of second-grade math concepts through engaging and practical learning experiences.

MATH Math 130

COURSE NUMBER: MATH03

EMIS CODE: 110003

CREDIT: 1

In the MATH Math 130 (3rd Grade) course, students enhance their mathematical skills through a structured curriculum that emphasizes multiplication, division, and a deep dive into number properties and operations. Each unit begins with an instructional video, covering key topics such as place value, fractions, and measurement, including time, volume, and capacity. Practical applications are explored through word problems, and students learn to use models and tables for solving real-world challenges. The course also addresses geometry, focusing on two-dimensional and three-dimensional shapes, and introduces students to data analysis with bar graphs and pictographs. By the end of the course, students will have a solid foundation in third-grade mathematics, equipped with the skills needed for more advanced topics. This comprehensive approach ensures a well-rounded understanding of mathematical concepts, fostering both confidence and competence in young learners.

MATH Math 140

COURSE NUMBER: MATH04

EMIS CODE: 110150

CREDIT: 1

In the MATH Math 140 (4th Grade) course, students delve into the base-ten number system, exploring the reading, writing, representation, comparison, and rounding of whole numbers and decimals. The curriculum covers comprehensive strategies for computing with whole numbers and developing mental computation skills, alongside generating equivalent forms of fractions and decimals for operations like addition and subtraction. Additionally, the course includes practical applications such as counting money, making change, and simple measurement conversions. In geometry, students classify and model plane figures and solids, engage with coordinate systems, and learn about transformations. The course also emphasizes data analysis through the organization and interpretation of data using graphs, charts, and concepts like mode, median, and range, integrating predictions and probability assessments. Supported by educational tools like opening unit videos and BrainPOP, this course prepares students with a robust understanding of 4th-grade mathematics and problem-solving skills.

MATH Math 150

COURSE NUMBER: MATH05

EMIS CODE: 110150

CREDIT: 1

In the MATH Math 150 (5th grade) course, students embark on a comprehensive exploration of mathematical concepts, focusing on their application in real-world scenarios. Each unit begins with a video presentation, and students utilize resources like BrainPOP to enhance learning. The curriculum covers a wide range of topics, from basic operations like whole number addition, subtraction, multiplication, and division, to more complex subjects such as fractions, decimals, and percents. Students also delve into geometry, measurement in both customary and metric systems, and data analysis, which includes collecting, analyzing, and graphing data to make predictions. Further, the course investigates probability and explores geometric concepts such as angles, area, and circumference. This dynamic approach ensures that students not only understand mathematical principles but also can apply them effectively in everyday problem-solving.

SCIENCE K-5

SCI Science K

COURSE NUMBER: SCI00

EMIS CODE: 132110

CREDIT: 1

In the SCI Science K (Kindergarten) course, themed "Observations of the Environment," kindergarteners' natural curiosity is nurtured through a focused exploration of their surroundings. This dynamic course enhances their understanding of scientific inquiry by engaging them in activities where they observe, question, and investigate the natural world. Students utilize simple tools to collect data, apply basic math to formulate explanations, and learn to communicate their discoveries effectively. Covering a wide range of topics such as Earth's changes, characteristics of various objects, and human interactions with nature, the curriculum is designed to instill a deep respect for the environment. The vibrant presentation, featuring animations and child-friendly narration, captures young learners' attention, fostering a love for science. Guided by both an on-site mentor and an online VLA Teacher, students embark on a scientific journey that lays the groundwork for lifelong learning and discovery.

SCI Science 110

COURSE NUMBER: SCI01

EMIS CODE: 132110

CREDIT: 1

In the SCI Science 110 (1st Grade) course, themed "Observations of the Environment," first graders use their natural curiosity to explore and understand their world through scientific inquiry. This course is designed to deepen their knowledge by encouraging them to observe, question, and conduct simple investigations about natural phenomena. Utilizing simple tools and appropriate mathematics, students gather data and construct logical explanations for what they observe in the environment around them. The curriculum covers a wide array of topics, including changes on Earth and in the sky, the characteristics of various objects, and the ways in which humans interact with nature. The lively presentation, featuring colorful animations and child-friendly narration, ensures that students remain engaged as they learn to apply scientific concepts in real-world contexts. Supported by both an on-site mentor and an online VLA Teacher, students develop a robust understanding of scientific principles while fostering a lasting respect for the natural world.

SCI Science 120

COURSE NUMBER: SCI02

EMIS CODE: 132110

CREDIT: 1

In the SCI Science 120 (2nd Grade) course, students explore the intriguing world of science through a lens that relates concepts directly to their everyday experiences. This course emphasizes the observation and study of the natural world, focusing on the similarities and differences among people, animals, and plants, and explaining their functions and interactions within ecosystems, particularly in Ohio. Students investigate the life cycles, habits, and survival strategies of local flora and fauna, and delve into weather patterns and environmental cycles encompassing Earth, sky, sound, light, plants, and animals. They also learn about the role and impact of technology and scientific tools in enhancing their understanding of science. Through repeated experiments, students grasp the consistency of scientific results under similar conditions. Educational technologies like BrainPOP are integrated to enrich the learning experience, making complex concepts accessible and engaging for young learners.

SCI Science 130

COURSE NUMBER: SCI03

EMIS CODE: 132110

CREDIT: 1

In the SCI Science 130 (3rd Grade) course, students engage in a comprehensive exploration of science that covers technological skills, Earth and space science, physical science, and life science. The curriculum begins with foundational technology units where students learn to navigate digital tools effectively, such as making user accounts and mastering basic computer operations. The course progresses through detailed studies of natural phenomena including soil composition, rock types, renewable and nonrenewable energy, and environmental conservation topics like pollution and recycling. Students also delve deep into the physical properties of matter, exploring its states, mass, and the effects of temperature changes. Life science units offer insights into the life cycles of plants and animals, inheritance, and physical and behavioral traits, enhancing understanding of living organisms. Utilizing educational technologies such as BrainPOP, Edpuzzle, and Google Slides, the course provides interactive learning experiences that solidify scientific knowledge and inquiry skills, preparing students for more advanced scientific studies.

SCI Science 140

COURSE NUMBER: SCI04

EMIS CODE: 132120

CREDIT: 1

In the SCI Science 140 (4th grade) course, students deepen their scientific inquiry skills by conducting safe investigations, choosing appropriate tools, measuring, collecting data, and formulating conclusions to communicate their findings effectively. The curriculum explores a wide range of scientific areas, including the physical and chemical changes of matter, properties of materials, and the processes involved in combining materials to discover new ones. Additionally, the course expands on the life cycles of plants, examining their characteristics, growth, and functions in detail. Students also study weather patterns and their significant impacts on the Earth's surface, air, and water. The course highlights the role of technology in human lives, exploring how technological advancements and inventions evolve to meet human needs. Through comprehensive units, students engage with topics like air properties, water forms, weather description, and notable scientific figures, fostering a comprehensive understanding of science that connects theoretical concepts to practical applications.

SCI Science 150

COURSE NUMBER: SCI05

EMIS CODE: 132120

CREDIT: 1

In the SCI Science 150 (5th grade) course, students engage deeply with key scientific concepts through a series of detailed studies spanning life sciences, physical sciences, and earth and space sciences. The curriculum begins with foundational units on the nature of science and thinking like a scientist to set the stage for a robust scientific inquiry process. As students' progress, they explore complex ecosystems, examining roles of producers, consumers, and decomposers, and understanding the dynamics of food chains and webs. The course also delves into physical science topics such as forces, motion, energy, light, and sound, enhancing understanding through practical experiments and assessments. In the earth and space science units, learners investigate our solar system, the forces affecting celestial bodies, and modern space technology. Educational technologies like Edpuzzle, BrainPOP, and Gizmo virtual labs are integrated throughout to provide interactive learning experiences, making complex scientific theories accessible and engaging for young learners.

SOCIAL STUDIES K-5

SS Social Studies K

COURSE NUMBER: SS00

EMIS CODE: 151209

CREDIT: 1

In the SS Social Studies K (Kindergarten) course, young learners will embark on a journey to explore the basics of time, personal history, and cultural diversity through a well-structured curriculum. This course introduces children to foundational social studies concepts, including days of the week, understanding maps, and the significance of holidays and special people in our communities. Students will learn about the diverse cultures that enrich the United States, the importance of natural resources, and the roles of goods and services in everyday life. Through engaging lessons like "Where Do You Live?" and "What Makes a Good Citizen?", kindergarteners will begin to understand their place in the world and the value of good citizenship. The course also emphasizes the role of rules at home and in school, aiming to cultivate a sense of responsibility and community among the students. With the guidance of a teacher and a student mentor, young learners will develop a deeper appreciation for their own and others' heritage and the democratic principles that shape our society.

SS Social Studies 110

COURSE NUMBER: SS01

EMIS CODE: 151209

CREDIT: 1

In the SS Social Studies 110 (1st grade) course, first graders will dive deeper into the concepts of time and community through a series of engaging and educational units. Starting with the "Months of the Year" and "Let's Create a Calendar," students will develop a strong foundation in understanding time and its importance in organizing daily activities and recognizing seasons. As the course progresses, units like "Past, Present, Future and Seasons" and "The Weather Environment" help students connect historical concepts with their natural surroundings. Further exploration into "Maps" and "Map Symbols" will equip students with essential skills in geography and spatial understanding. The curriculum also emphasizes social understanding through units on "Different Cultures Long Ago" and "Different Cultures Today," fostering an appreciation for diversity and historical changes in human societies. Supported by student mentors and enhanced with video tutorials, this course aims to cultivate a comprehensive understanding of social studies themes like respect, responsibility, and economic basics such as "Goods and Services" and "Producers and Consumers."

SS Social Studies 120

COURSE NUMBER: SS02

EMIS CODE: 151209

CREDIT: 1

In the SS Social Studies 120 (2nd grade) course, students will enhance their understanding of social studies through an immersive curriculum crafted to guide them through complex concepts of time, history, geography, and economics. The journey begins with basic units on "Looking at the Calendar," "Days of the Week," and "Months of the Year," ensuring that students have a firm grasp of temporal concepts. As they progress, they delve into historical and geographical exploration with units like "Then and Now," "Adventures With Maps," and "All Around North America." Through "People Who Made a Difference" and "The Longest River and The Biggest Desert," students learn about significant figures and geographical landmarks that shape our understanding of the world.

The curriculum also introduces economic principles through engaging units such as "Buyers and Sellers: Consumers and Producers" and "Money – Earn, Spend, and Save," fostering a foundational understanding of financial literacy. With the support of student interactivities, this course equips second graders with the necessary skills for collaboration and leadership, enhancing their ability to work effectively with others and appreciate the diverse impacts of the environment on human activities.

SS Social Studies 130

COURSE NUMBER: SS03

EMIS CODE: 151209

CREDIT: 1

In the SS Social Studies 130 (3rd grade) course, students will focus on the dynamic interplay between communities, culture, and government through a comprehensive and interactive curriculum. Beginning with "Time and History," this course helps students understand the progression and impact of historical events on contemporary society. Units like "Communities Big and Small" and "Exploring Communities Long Ago" explore the evolution of communities from the past to the present, emphasizing how environments shape societal development. The course further delves into civic education with "Rules and Laws" and the structure of local, state, and national governments, equipping students with knowledge about governance and civic responsibilities. Economic concepts are introduced through "Markets in the Community" and "Economic Decision Making," teaching students about economic systems and the importance of financial literacy. Additionally, units such as "Immigration" and "Becoming an American Citizen" provide insights into the diverse cultural fabric of the United States, promoting an understanding of global citizenship. Through projects, expository essays, and hands-on activities, students will learn to appreciate the complexities of their local community and its place within the wider world.

SS Social Studies 140

COURSE NUMBER: SS04

EMIS CODE: 151210

CREDIT: 1

In the SS Social Studies 140 (4th grade) course, fourth graders will delve deeply into the rich history and development of Ohio, aligning their studies with key events in United States history. The course kicks off with "Ohio's Historical Timeline," setting the stage for a detailed exploration of the state's past from its prehistoric cultures to its modern-day significance. Students will engage with diverse sources and narratives in "Historical Sources and Narratives," enhancing their understanding of historical context and perspective. Through units like "Ohio's Geography, Climate, and Natural Resources" and "The American Revolution," learners will connect geographical features with historical events, gaining insight into how the environment influenced societal developments. The curriculum covers crucial elements of civic education through "U.S. Constitution" and "Citizenship in the U.S.," preparing students to be informed and active citizens. As they progress, students will explore Ohio's role in broader national contexts, such as the Civil War and the Abolitionist movement, through engaging and interactive lessons supported by resources like BrainPOP. This comprehensive course not only highlights Ohio's journey to statehood and its constitutional framework but also fosters a nuanced understanding of how historical events shape our present and future.

SS Social Studies 150

COURSE NUMBER: SS05

EMIS CODE: 151210

CREDIT: 1

In the SS Social Studies 150 (5th Grade) course, students explore the Western Hemisphere's geography, history, and cultural evolution. The curriculum begins with foundational geographical concepts in "What Is Geography?" and delves into the history and impact of native and European influences on North and South America through studies of tribal regions and major civilizations like the Mayans, Aztecs, and Incas. Students examine the consequences of European exploration and the cultural and economic developments in units like "Western Expansion" and "Cultural Diversity in the U.S." The course also integrates an understanding of the U.S. government and Constitution, enhancing civic knowledge. Economic concepts and financial literacy are addressed through practical applications in units such as "What is Economics?" and "Starting Your Own Business," using interactive tools like BrainPOP to foster a comprehensive understanding of how historical events influence contemporary economic and social landscapes.

WORLD LANGUAGE K-5

LANG Spanish KG

COURSE NUMBER: LANGSKG

EMIS CODE: 069958

CREDIT: 1

In the LANG Spanish K (kindergarten) course, young learners embark on an engaging journey to explore the Spanish language and its cultural roots. This course, designed for asynchronous online learners, covers foundational aspects such as pronunciation, vocabulary relating to colors, numbers, shapes, and simple conversational phrases. Students will learn about the origins of Spanish, distinguish between formal and informal speech, and delve into essential topics such as the Spanish calendar and basic dialogues. Interactive tools like the Read Aloud Chrome Extension and Online Voice Recorder enhance the learning experience by aiding pronunciation and enabling audio submissions. By the end of the course, students will not only grasp basic Spanish but also appreciate cultural elements intrinsic to Spanish-speaking communities, preparing them for further language acquisition.

LANG Spanish 110

COURSE NUMBER: LANGS110

EMIS CODE: 069958

CREDIT: 1

In the LANG Spanish 110 (1st grade) course, first graders deepen their understanding of the Spanish language through a rich curriculum tailored for asynchronous online learners. Students will explore more complex topics such as the full range of months, personal information, expressions of preferences, and an expanded number set up to 31. The curriculum supports student engagement with multimedia tools, including the Read Aloud Chrome Extension and Online Voice Recorder, to assist in mastering pronunciation and allowing for the submission of spoken assignments. Additionally, this course introduces students to the cultural richness of the Spanish-speaking world, including holidays like the Day of the Dead, Hispanic foods, and music. By the end of the course, students will have a solid foundation in conversational Spanish, essential grammar skills, and an appreciation for cultural diversity, preparing them for more advanced language learning.

LANG Spanish 120

COURSE NUMBER: LANGS120

EMIS CODE: 069958

CREDIT: 1

In the LANG Spanish 120 (2nd grade) course, students continue their Spanish language journey with an enriched curriculum designed for asynchronous online learners. This course, guided by Teresa Silvestri, provides comprehensive reviews and new material that includes colors, shapes, and numbers up to 31, while introducing cultural elements like Mexican currency, Spanish music, and instruments. As students' progress, they will explore more advanced concepts such as commands, pronouns, and the metric system, along with thematic studies on various Spanish-speaking countries like Mexico, Spain, Costa Rica, and Argentina. Interactive tools such as the Read Aloud Chrome Extension and the Online Voice Recorder support the development of pronunciation and conversational skills. This course also dives into cultural appreciation, showcasing Hispanic arts and crafts, and offering opportunities for students to replicate cultural objects. By the end of this course, students will have a deeper understanding of both the Spanish language and the rich cultural tapestry of its speakers, equipping them for further linguistic and cultural explorations.

LANG Spanish 130

COURSE NUMBER: LANGS130

EMIS CODE: 069958

CREDIT: 1

In the LANG Spanish 130 (3rd grade) course, students in the third grade will deepen their Spanish language abilities and cultural knowledge through a diverse and immersive curriculum tailored for asynchronous online learners. This course, carefully designed by Teresa Silvestri, starts with a review of foundational Spanish concepts and quickly progresses into more specific topics such as telling time, understanding cognates, and exploring significant cultural aspects of Spanish-speaking countries like Spain, Mexico, and Argentina. As students traverse through the syllabus, they will encounter modules focused on daily activities, traditional clothing, and specific cultural festivals like El Día de los Muertos. Each unit incorporates interactive elements supported by the Read Aloud Chrome Extension and Online Voice Recorder, enhancing both pronunciation and conversational practice. Through studying the geographical, cultural, and linguistic diversity of places like Chile, Peru, and the Dominican Republic, students will gain a comprehensive understanding of the Spanish-speaking world, enabling them to use the language more fluently and appreciate its rich cultural heritage.

LANG Spanish 140

COURSE NUMBER: LANGS140

EMIS CODE: 069958

CREDIT: 1

In the LANG Spanish 140 (4th grade) course, fourth graders will continue their exploration of the Spanish language and cultural heritage through a comprehensive curriculum designed for asynchronous online learners. Under the guidance of Teresa Silvestri, students will engage with a variety of topics, starting with welcoming introductions to the Hispanic world and moving through thematic units that focus on everyday activities, holidays, and cultural practices, such as shopping, birthdays, and sporting events like soccer. Each unit is crafted to strengthen students' command of Spanish vocabulary, sentence structure, and conversational skills, while also deepening their cultural understanding through studies of history, arts, and cuisines specific to Spanish-speaking countries. Supported by the Read Aloud Chrome Extension and Online Voice Recorder, students will enhance their pronunciation and ability to communicate effectively in Spanish. The course aims not only to improve linguistic skills but also to foster an appreciation of the diverse and vibrant cultures associated with the Spanish language, preparing students for more advanced studies and real-world interactions.

LANG Spanish 150

COURSE NUMBER: LANGS150

EMIS CODE: 069958

CREDIT: 1

In the LANG Spanish 150 (5th Grade) course, fifth-grade students will expand their Spanish language proficiency and cultural knowledge through a colorful and engaging curriculum crafted for asynchronous online learners. Guided by Teresa Silvestri, this course creatively uses colors as a thematic element to explore vocabulary and concepts. Each unit is centered around a specific color and its association with objects and elements in the natural and cultural world, such as animals, landscapes, and everyday items. From learning about the vibrant greens of the coqui frog to the deep blues of lakes, students will enhance their descriptive language skills in Spanish while deepening their understanding of how colors are woven into various aspects of life and culture. Supported by the Read Aloud Chrome Extension and Online Voice Recorder, students will enhance their pronunciation and ability to communicate effectively in Spanish. The course includes comprehensive reviews and assessments to reinforce learning and ensure mastery of content. By the end of the course, students will not only have improved their Spanish language skills but also gained a richer appreciation for the diverse ways in which colors play a role in language and culture.

ELECTIVES K-5

FINE ARTS

FA Primary Music

COURSE NUMBER: FAPM

EMIS CODE: 122000

CREDIT: ½

In the FA Primary Music (Grades K-2) course, young learners are introduced to the foundational elements and diverse styles of music. Starting with basics such as pitch, tone, and beat, the curriculum progresses through an exploration of various musical instruments including woodwinds, brass, percussions, and strings. It further enriches students' understanding with units on time signatures and note values. Highlighting the cultural impact of music, the course delves into the works and genres from Mozart and Beethoven to Motown, Hip-Hop, and The Beatles. Engaging educational tools such as BrainPOP and audio clips of instruments are utilized to enhance interactive learning, providing an exciting, auditory journey for budding musicians.

FA Elementary Music

COURSE NUMBER: FAEM

EMIS CODE: 122000

CREDIT: ½

In the FA Elementary Music (Grades 3-5) course, students embark on a comprehensive journey through the realms of music theory, history, and instrumental knowledge. The course begins with a foundational exploration of music notation, followed by a detailed three-part study of music history, providing insights into the evolution of musical styles and practices. Students then engage with specific instrument families, including wind, string, percussion, and keyboard instruments, deepening their understanding of each category's unique characteristics and sounds. Further enrichment is offered through units on melody and harmony, vocals, and the study of influential composers like Mozart and Beethoven, as well as significant musical movements such as Motown and Hip Hop & Rap. The curriculum leverages engaging tools like BrainPOP and mp3 clips of musical instruments to enhance learning and retention, culminating in a thorough review that consolidates the wide array of knowledge acquired.

FA Primary Art

COURSE NUMBER: FAPA

EMIS CODE: 020012

CREDIT: ½

In the FA Primary Art (Grades K-2) course, young students are introduced to the vibrant world of visual arts, exploring color, texture, form, and more through engaging and interactive learning experiences. The curriculum begins with an exploration of colors, teaching children about different types, shades, and tints, and how colors can express feelings. Students then learn about the elements of art including color value, texture, line usage, and the concepts of shape and form, enhancing their understanding and ability to observe art critically. The course also delves into artistic techniques such as collage and sculpture, exploring various materials and methods that allow students to express their ideas and emotions creatively. Structured with two comprehensive quarterly reviews to consolidate learning, the curriculum incorporates BrainPOP resources to make the learning process both fun and effective, ensuring a solid foundation in the basics of art for young learners.

FA Elementary Art

COURSE NUMBER: FAEA

EMIS CODE: 020012

CREDIT: ½

In the FA Elementary Art (Grades 3-5) course, students deepen their artistic understanding and skills by exploring both the elements and principles of design. The curriculum, developed by Gabby Kosegi, starts with the foundational elements of art such as line, shape, form, space, texture, value, and color, which are essential for creating visually compelling artwork. As students' progress, they explore the principles of design including balance, movement, pattern, proportion, variety, emphasis, and unity, applying these concepts to create balanced and dynamic compositions. The course is enriched with interactive learning tools like Google Slides, BrainPOP, and Edpuzzle, which enhance student engagement and understanding. Periodic quarterly assessments ensure that students are able to integrate and apply what they have learned in a comprehensive manner, preparing them for more advanced artistic endeavors.

HEALTH EDUCATION

HE Primary Health

COURSE NUMBER: HEPH

EMIS CODE:

CREDIT: ½

In the HE Primary Health (Grades K-3) course, young students explore the fundamental concepts of compassion, empathy, and mindfulness, fostering emotional intelligence and social skills crucial for early development. Beginning with defining compassion and understanding empathy, the curriculum, supported by the EVERFI platform, encourages children to recognize and express these values in various settings, such as the playground and daily interactions. The course progresses to more in-depth discussions on emotions, self-care, and mindfulness techniques, including activities like the Mindful Maze, which help students' practice being present and aware. Subsequent units focus on fostering a growth mindset, learning from mistakes, and overcoming self-criticism. The comprehensive journey culminates in applying compassion in everyday situations, within the community, and across diverse environments, ensuring that students not only grasp these concepts but also live them out in their daily lives.

HE Elementary Health

COURSE NUMBER: HEEH

EMIS CODE:

CREDIT: ½

In the HE Elementary Health (Grades 4-6) curriculum, supported by BrainPOP and Google Slides, students engage with essential topics under the guidance of a comprehensive program. Beginning with concepts of compassion and empathy, students develop a strong foundation for social interaction and understanding. As they progress, they delve into practical skills such as self-care, mindfulness, and healthy eating, fostering holistic well-being. Discussions on emotional intelligence, bullying, and substance abuse equip students with strategies to navigate challenges and build resilience. By addressing these topics, the curriculum aims to empower students to make informed choices, cultivate healthy relationships, and lead balanced lives.

PHYSICAL EDUCATION

HEPE Primary PE

COURSE NUMBER: HEPEP

EMIS CODE:

CREDIT: ½

In the HEPE Primary PE (Grades K-2) course, asynchronous online students embark on a dynamic journey of physical education. Through eighteen engaging units, students explore foundational concepts of exercise, endurance, strength, flexibility, and healthy physical activities. They progress to understanding the importance of personal physical fitness and embark on fitness adventures, all while learning about making healthy choices. From exploring influences on choices to discovering ways to increase energy through movement and mindfulness, students are equipped with practical skills to lead active and balanced lives. Supported by resources like EVERFI, BrainPOP, and Sanford fit, this course empowers students to cultivate a lifelong commitment to physical well-being.

HEPE Elementary PE

COURSE NUMBER: HEPEE

EMIS CODE:

CREDIT: ½

In the HEPE Elementary PE (Grades 3-5) course, asynchronous online students delve into the multifaceted world of physical education. Across eighteen comprehensive units, students explore topics ranging from the fundamentals of fitness to the intricate relationship between feelings, emotions, and physical activity choices. They learn to make informed decisions about nutrition, hydration, and healthy snack choices, understanding how food fuels their bodies. Through lessons on mood regulation and energy management, students are empowered to take charge of their well-being, both physically and emotionally. Supported by resources such as Stanford Fit, Core Knowledge, and Fathom Reads, this course provides students with the knowledge and skills necessary to lead active, balanced lives.

SOCIAL EMOTIONAL LEARNING

SEL Primary

COURSE NUMBER: SELP

EMIS CODE:

CREDIT: 1

In the SEL Primary (Grades K-2) course, young learners embark on a comprehensive journey of social and emotional learning. Through a diverse range of thirty-six units, students explore various aspects of emotional intelligence, personal responsibility, and social interaction. They delve into understanding emotions, learning to deal with them effectively, and recognizing their strengths and weaknesses. Students are guided in seeking help when needed, identifying safe spaces, and practicing self-regulation techniques to manage their emotions. Additionally, they develop essential social skills such as communication, collaboration, empathy, and respect, fostering a sense of inclusiveness and citizenship. Supported by resources like BrainPOP, Edpuzzle, and student interactivities, this course equips students with the tools to navigate their emotions, relationships, and decision-making processes with confidence and resilience.

SEL Elementary

COURSE NUMBER: SELE

EMIS CODE:

CREDIT: 1

In the SEL Elementary (Grades 3-5) course, students embark on an enriching exploration of social and emotional development. Across thirty-six units, they delve into understanding their emotions, processing them effectively, and recognizing their strengths and personal goals. Students learn the importance of trusted adults, reporting dangerous situations, and advocating for themselves in various contexts. Through lessons on decision-making, communication, and self-esteem, they acquire essential skills for navigating relationships and challenges with confidence and empathy. Additionally, students explore topics such as gratitude, giving back to the community, and digital citizenship, equipping them with the tools to engage responsibly in both online and offline environments. Supported by resources like video tutorials and activity sheets, this course empowers students to cultivate resilience, critical thinking, and ethical behavior, laying the foundation for their holistic well-being.

Course Catalog
6-8
2024 -2025

vla@jcesc.org

ENGLISH 6-8

ELA English 160

COURSE NUMBER: ELA06

EMIS CODE: 050154

CREDIT: 1

In the ELA English 160 (6th grade) course, students will develop their reading, writing, and language skills through a comprehensive curriculum. This course covers reading comprehension and analysis of both informational texts and literature, as well as writing processes for opinion, informative, and story analysis essays. Each unit includes word roots, grammar, and language conventions, complemented by independent reading and a reading journal. Students will read "Maniac Magee" by Jerry Spinelli and "From the Mixed-Up Files of Mrs. Basil E. Frankweiler" by E.L. Konigsburg, which are provided in PDF and ebook format, enhancing their understanding through interactive activities and assessments.

ELA English 170

COURSE NUMBER: ELA07   ELACR07

EMIS CODE: 050156

CREDIT: 1

In the ELA English 170 (7th grade) course, students will develop their reading, writing, and language skills through a comprehensive curriculum. This course covers reading comprehension and analysis of various literary genres, as well as writing processes for argumentative, informative, and literary analysis essays. Each unit includes grammar and language conventions, complemented by interactive activities and video tutorials. Students will read, analyze, and respond to texts such as argumentative writings, historical documents, poetry, short stories, and dramas, all provided to prepare for the 7th Grade English Language Arts Assessment. Additionally, the course includes books in PDF and ebook format to enhance understanding and engagement.

ELA English 180

COURSE NUMBER: ELA08   ELACR08

EMIS CODE: 050156

CREDIT: 1

In the ELA English 180 (8th grade) course, students will develop their reading, writing, and language skills through a comprehensive curriculum. This course covers reading comprehension and analysis of various literary genres, as well as writing processes for argumentative, informative, and literary analysis essays. Each unit includes grammar and language conventions, complemented by interactive activities and student essays. Students will read, analyze, and respond to texts such as argumentative writings, historical documents, poetry, short stories, and dramas, all provided to prepare for the state English Language Arts Assessment. Additionally, the course includes books in PDF and ebook format to enhance understanding and engagement.

MATH 6-8

MATH Math 160

COURSE NUMBER: MATH06

EMIS CODE: 110150

CREDIT: 1

In the Math 160 (6th grade) course, students will develop their mathematical skills through a comprehensive curriculum covering a wide range of topics. These include factors, exponents, order of operations, rational numbers, fractions, decimals, ratios, proportions, and percents. The course also explores geometry, transformations, tessellations, metrics, perimeter, area, volume, and surface area. Students will engage with variables, expressions, functions, and probability through interactive activities and BrainPOP resources. Each unit includes an introduction video to explain the concepts, ensuring a thorough understanding and application of the material.

MATH Math 170

COURSE NUMBER: MATH07   MATHCR07

EMIS CODE: 110175

CREDIT: 1

In the Math 170 (7th grade) course, students will develop their mathematical skills through a comprehensive curriculum covering a wide range of topics. These include addition and subtraction of integers, rational numbers, proportions, equations, percents, and algebraic expressions. The course also explores multi-step problems, inequalities, and various geometry topics such as similar figures, triangles, quadrilaterals, circles, angles, area, volume, and surface area. Students will engage with statistics and probability through interactive activities, BrainPOP, and Quizlet resources. Each unit is designed to ensure a thorough understanding and application of the material, enhancing lessons with student interactivities.

MATH Math 180

COURSE NUMBER: MATH08   MATHCR08

EMIS CODE: 110175

CREDIT: 1

In the Math 180 (8th grade) course, students will develop their mathematical skills through a comprehensive curriculum covering a wide range of topics. These include integer operations, combining like terms, solving equations, functions, and proportional relationships. The course also explores graphing linear functions, slope and rate of change, systems of equations, properties of exponents, scientific notation, and rational vs. irrational numbers. Students will engage with geometry concepts such as angle relationships, the Pythagorean theorem, and volume calculations. Additionally, transformations, measures of center and variation, scatter plots, and two-way tables are covered. The course utilizes Desmos calculators, Generation Genius as a supplement, and BrainPOP for interactive learning, ensuring a thorough understanding and application of the material.

SCIENCE 6-8

SCI Science 160

COURSE NUMBER: SCI06

EMIS CODE: 132120

CREDIT: 1

In the Science 160 (6th grade) course, students will develop their scientific skills through a comprehensive curriculum covering a wide range of topics. These include scientific inquiry, observations vs. inferences, safe science procedures, and setting up experiments. The course also explores the periodic table, properties of matter, energy sources, electricity, and environmental impact. Students will engage with cell biology, reproduction, inherited traits, interactions among organisms, and the roles of bacteria and viruses in human health. Additionally, the course covers technology's impact on society and problem-solving with technology. The course includes lab activities using normal household items, ensuring a thorough understanding and application of scientific concepts.

SCI Science 170

COURSE NUMBER: SCI07   SCICR07

EMIS CODE: 132130

CREDIT: 1

In the Science 170 (7th grade) course, students will develop their scientific skills through a comprehensive curriculum covering a wide range of topics. These include the variety of life in animals, fungi, and seaweed, interdependence of organisms, and the relationship between resources and organisms in rainforests and biomes. The course also explores the effects of overpopulation, natural and human activities impacting ecosystems, photosynthesis, and food chains. Students will engage with energy concepts, scientific variables, Earth's spheres and cycles, global warming, and weather phenomena. The course includes lab activities using normal household items, ensuring a thorough understanding and application of scientific concepts, and emphasizes scientific inquiry and the role of technology in environmental and economic contexts.

SCI Science 180

COURSE NUMBER: SCI08   SCICR08

EMIS CODE: 132130

CREDIT: 1

In the Science 180 (8th grade) course, students will develop their scientific skills through a comprehensive curriculum covering a wide range of topics. These include life science concepts such as fossils, natural selection, extinction, genetics, and the beginning of life. The course also explores earth science topics including Earth's interior, seismic waves, continental drift, seafloor spreading, tectonic plates, and the age of Earth. Students will engage with physical science concepts like gravitational, electrical, and magnetic forces, motion, friction, and representing forces. Additionally, the course covers sustainability topics, focusing on global resources, biodiversity, and climate change. The course includes EVERFI lessons and a science journal in each unit, ensuring a thorough understanding and application of scientific concepts.

SOCIAL STUDIES 6-8

SS Social Studies 160

COURSE NUMBER: SS06

EMIS CODE: 151210

CREDIT: 1

In the Social Studies 160 (6th grade) course, students will develop their understanding of the people and places of the Eastern Hemisphere, including Asia, Africa, Australia, and Europe. The course covers the unique, early civilizations that developed in these regions and their enduring impact on the modern world. Students will explore different types of government, major world religions, and the fundamentals of economics. Each unit includes interactive activities, BrainPOP resources, and historical articles, along with dinner discussions to engage family participation. The course emphasizes how the movement of people, products, and ideas affects lives and the role of individuals as consumers in a market economy.

SS Social Studies 170

COURSE NUMBER: SS07   SSCR07

EMIS CODE: 151201

CREDIT: 1

In the Social Studies 170 (7th grade) course, students will explore a wide variety of events, people, and decisions that have shaped the world from Ancient Greece to the First Global Age. The course begins with the geography and city-states of Ancient Greece, the rise and fall of the Roman Empire, and the spread of Christianity and Islam. It continues through the Middle Ages, covering the feudal system, the Renaissance, and the Protestant Reformation. Students will study significant African empires, the Mughal Empire in India, the Ottoman and Safavid Empires, and the Mongol influence in Asia. Additionally, the course covers the Age of Exploration, the competition for colonies, and the Columbian Exchange. Each unit includes interactive activities, historical articles, and dinner discussions to engage family participation and deepen understanding. The course emphasizes the importance of historical events in shaping our present and future, helping students understand the global community in which they live.

SS Social Studies 180

COURSE NUMBER: SS08   SSCR08

EMIS CODE: 151201

CREDIT: 1

In the Social Studies 180 (8th grade) course, students will explore the series of events, decisions, and ideas that shaped the development of the United States of America. From its colonial roots to the aftermath of the Civil War, the course covers the fascinating story of the country's first centuries and the contributions of many notable figures. Students will delve into the establishment of colonies, the Revolutionary War, the creation of the Constitution, and the growth of the young republic. The course also examines the Industrial Revolution, westward expansion, the Civil War, and Reconstruction. Each unit includes historical articles and dinner discussions to engage family participation, providing a comprehensive understanding of American history and government. Additionally, students will have the opportunity to read excerpts from significant documents that form the basis of American government, enhancing their grasp of the nation's foundational principles.

WORLD LANGUAGE 6-8

LANG Spanish 160

COURSE NUMBER: LANGS160

EMIS CODE: 069958

CREDIT: 1

In the Spanish 160 (6th grade) course, students will follow the theme of travel as they explore the history and culture of Spanish-speaking countries and cities. Students will continue learning new Spanish vocabulary, review and use previously learned vocabulary, and practice speaking to sound like native Spanish speakers. The course emphasizes accentuation with punctuation practice, sentence formation, and writing about familiar topics in Spanish. Students will learn about gender and formality, and practice responding to questions with their own opinions. The course includes videos, podcasts, music from Spanish-speaking countries, and cultural activities to enhance understanding of the language and culture. Required course materials include the Read Aloud Chrome Extension, foreign language accent codes for Chromebook users, and the Online Voice Recorder extension for recording audio files.

LANG Spanish 170

COURSE NUMBER: LANGS170

EMIS CODE: 060265

CREDIT: 1

In the Spanish 170 (7th grade) course, students will be introduced or re-introduced to skills for beginning or resuming communication in Spanish. They will gain knowledge and understanding of pronunciation, vocabulary, grammar structure, and simple conversation. The course also explores the cultures of Spanish-speaking countries, including music, dance, art, sports, literature, cuisine, and festivals. Students will engage with various interactive activities to practice their language skills and deepen their cultural understanding. Required course materials include the Read Aloud Chrome Extension, foreign language accent codes for Chromebook users, and the Online Voice Recorder extension for recording audio files. The course aims to build a strong foundation in both the language and cultural appreciation, preparing students for more advanced studies in Spanish.

LANG Spanish 180

COURSE NUMBER: LANGS180

EMIS CODE: 060265

CREDIT: 1

In the Spanish 180 (8th grade) course, students will be introduced or re-introduced to skills for beginning or resuming communication in Spanish. Students will gain knowledge and understanding of vocabulary, grammar structure, pronunciation, and conversation. The course also explores the cultures of Spanish-speaking countries, including music, dance, art, literature, cuisine, and traditions. Enrichment activities will challenge more advanced students, ensuring a comprehensive learning experience. Required course materials include the Read Aloud Chrome Extension, foreign language accent codes for Chromebook users, and the Online Voice Recorder extension for recording audio files. The course aims to build a strong foundation in both the language and cultural appreciation, preparing students for more advanced studies in Spanish.

ELECTIVES 6-8

FINE ARTS

FA Intro to Music

COURSE NUMBER: FAIM   FACRIM

EMIS CODE: 122000

CREDIT: ½

In the FA Intro to Music (Grades 6-8) course, students will begin with a brief lesson in basic music terminology to understand the development of music history. They will then explore important music developments across various musical time periods, including The Middle Ages, Renaissance, Baroque, Classical, Romantic, 20th Century, Jazz, and Rock and Roll. The course will highlight significant composers such as Bach, Mozart, Beethoven, Elvis, Louis Armstrong, and the Beatles. Numerous video and audio recordings will be used as resources to help students grasp the evolution of these music genres, with assessments including material from these recordings. While some videos may cover topics or language considered inappropriate, they are essential to understanding the historical context of the music. Students are encouraged to engage fully with all video content to succeed in the final assessments.

FA Intro to Art

COURSE NUMBER: FAIA   FACRIA

EMIS CODE: 020012

CREDIT: ½

In the FA Intro to Art (Grades 6-8) course, students will begin with a basic understanding of how art is made, focusing on the elements of art and principles of design. The course explores art history, criticism, aesthetics, and art careers. In the second half of the course, students will engage in hands-on projects using a wide range of art materials. They will create in various disciplines, including drawing, painting, sculpture, printmaking, and photography. This practical approach allows students to apply their knowledge creatively. Additionally, students will have opportunities to critique their own and others' artwork, fostering a deeper appreciation and understanding of different art forms. The course culminates with a final exam to assess their understanding and skills.

HEALTH EDUCATION

HE Elementary Health

COURSE NUMBER: HEEH

EMIS CODE:

CREDIT: ½

In the HE Elementary Health (Grades 4-6) curriculum, supported by BrainPOP and Google Slides, students engage with essential topics under the guidance of a comprehensive program. Beginning with concepts of compassion and empathy, students develop a strong foundation for social interaction and understanding. As they progress, they delve into practical skills such as self-care, mindfulness, and healthy eating, fostering holistic well-being. Discussions on emotional intelligence, bullying, and substance abuse equip students with strategies to navigate challenges and build resilience. By addressing these topics, the curriculum aims to empower students to make informed choices, cultivate healthy relationships, and lead balanced lives.

HE Middle School Health

COURSE NUMBER: HEMSH

EMIS CODE:060101

CREDIT: ½

In the HE Middle School Health (Grades 7-8) course, students will explore essential health topics to foster their well-being and decision-making skills. The course includes units on exercise for health, nutritious eating, the digestive system, and the immune system, providing a foundation for understanding bodily functions and health maintenance. Students will also learn about the dangers of alcohol, cannabis, and vaping, as well as the science of addiction through Future Well Kids Online lessons, Kids Health lessons, and EVERFI lessons. Additionally, the course covers multi-drug exploratory, puberty, STIs, and types of abuse, equipping students with critical health knowledge. Skills in analyzing influences, understanding and managing emotions, communicating effectively, and resolving conflicts are also developed. The course culminates with lessons on making informed decisions, ensuring students are prepared to navigate health-related challenges.

HE Vaping

COURSE NUMBER: HEVAPING   HECRVAPING

EMIS CODE: 269999

CREDIT: ¼

In the HE Vaping (Grades 6-12) course, students will gain a comprehensive understanding of the dangers and realities of vaping. The course begins with units that help students uncover and know the truth about vaping, focusing on the health risks and societal impacts. They will learn strategies to overcome the temptation to vape and be encouraged to enact positive change. The curriculum includes the "Vaping: Know the Truth" program and Catch My Breath curriculum, which educate students on making informed choices, understanding how vaping rewires the brain, and standing firm in their decisions to remain vape-free. Additionally, students will explore the various risks associated with vaping and be empowered to support themselves and others in making healthier choices. The course culminates with a unit focused on empowerment and advocacy.

PHYSICAL EDUCATION

HEPE Middle School PE

COURSE NUMBER: HEPEM

EMIS CODE:

CREDIT: ½

In the HEPE Middle School PE (Grades 6-8) course, students will engage in a comprehensive physical education program designed to enhance their fitness and overall well-being. The course covers essential topics such as fitness introduction, physical fitness components, flexibility, cardiovascular fitness, muscular strength, muscular endurance, and body composition. Students will explore fitness and exercise principles, including the FITT principle and the differences between aerobic and anaerobic exercise. Lessons on hydration, sleep, healthy nutrition, and hygiene will provide students with a holistic approach to health. Stress management, goal setting, and creating a personalized fitness plan are integral parts of the curriculum. The course incorporates BrainPOP, Edpuzzle, NFL Play 60, and skilled video interactives, and includes a weekly fitness log to track progress and encourage consistent physical activity.

Social Emotional Learning

SEL Middle School

COURSE NUMBER: SELMS

EMIS CODE:

CREDIT: 1

In the SEL Middle School (Grades 6-8) course, students will explore a range of topics designed to enhance their social and emotional learning. The course begins with units on understanding and processing emotions, and their impacts. Students will then focus on self-discovery, setting personal and career goals, and seeking support. Key skills such as personal responsibility, positive self-talk, empathy, compassion, and managing emotions and behavior are developed. The curriculum also covers social awareness, understanding stereotypes and discrimination, effective communication, and digital media literacy. Students will learn about relationships, managing conflict, and responsible decision-making. Civic engagement and community participation are emphasized, encouraging students to get involved and make ethical decisions. The course includes activity cards, Edpuzzle, Discovery Education, and PBS Learning Media to support learning, and culminates with a final exam.

SEL Decision Making

COURSE NUMBER: SELDM

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students learn about the decision-making process and the importance of evaluating the consequences of their choices. They are also encouraged to select options that reflect long-range planning, core beliefs, and values. The course can be used in Grades 7-12.

SEL Honor Code

COURSE NUMBER: SELHC

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course students identify their unique talents, grow resilience in adversity, and build strong connections with others. The same skills students learn to discourage bullying today. EVERFI curriculum will be utilized in this course. This course can be used in Grades 7-12.

SEL Healthy Relationships

COURSE NUMBER: SELHR

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students examine both healthy and unhealthy relationships. There are tips on dealing with unhealthy relationships and making good relationships even better. The course can be used in Grades 7-12.

SEL Personal Wellness

COURSE NUMBER: SELPW

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students will learn evidence-informed content with engaging digital activities. By defining mental wellness and modeling positive behaviors, this online program teaches students the importance of paying attention to their mental health. EVERFI curriculum will be utilized in this course. The course can be used in Grades 7-12.

SEL Social Media Responsibility

COURSE NUMBER: SELSMR

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students will learn the stresses social media etiquette and offers numerous tips for staying safe while engaging with others online. Students are encouraged to be intelligent, alert, and kind when using social media websites. The course can be used in Grades 7-12.

SEL Teen Dating

COURSE NUMBER: SELTD

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students will learn that romantic relationships are major developmental milestones in the lives of teens. Students consider what they want in a dating relationship. The course also defines attraction, closeness, commitment, and abusive behavior. The course can be used in Grades 7-12.

Course Catalog

9-12

2024 -2025

vla@jcesc.org

ENGLISH 9-12

ELA English 09

COURSE NUMBER: ELA09   ELACR09   ELAM09   ELAS09

EMIS CODE: 050160

CREDIT: 1

In the ELA English 9 (9th grade) course, students will develop their reading, writing, and language skills through a comprehensive curriculum that includes reading comprehension, analysis of various literary genres, and writing processes for argumentative, informative, and narrative essays. The course covers essential skills such as finding the meaning of unknown words with texts like "Simone Biles," identifying main ideas in "Fastest Woman in the World," analyzing text structures in "The Plastic Problem," and understanding authors' purposes with "Why Good Advertising Works." Students will learn to find the best evidence with "Two Famous Friends" and critically analyze information with "What's wrong with our food system." The curriculum also emphasizes identifying themes and summarizing, as seen in "Lucky Feet," understanding cause and effect in "Getting Started on Saving the Everglades," and identifying problems and solutions in "Space Food." The writing component guides students from crafting paragraphs, including topic sentences and supporting details, to constructing argumentative essays with a focus on note-taking, types of evidence, introductions, body paragraphs, counterarguments, conclusions, and in-text citations. Poetry analysis includes studying works by Tennyson, Hughes, Shakespeare, Poe, Shakur, Whitman, Donne, and Walker, with an emphasis on figurative language, rhyme schemes, metaphors, diction, imagery, tone, symbolism, personification, and paradox. Interactive activities and resources like CommonLit and Edpuzzle enhance engagement and understanding, ensuring students are well-prepared for the state English Language Arts Assessment.

ELA English 10

COURSE NUMBER: ELA10   ELACR10   ELAM10   ELAS10   ELAREII

EMIS CODE: 050170

CREDIT: 1

In the ELA English 10 (10th grade) course, students will enhance their reading, writing, and language skills through an extensive curriculum that includes mastering the writing process, understanding formal language and transitions, and effectively using textual evidence. The course begins with foundational writing skills and progressively covers more complex tasks such as constructing literary analysis essays, informative/expository essays, and argumentative essays. Students will explore various literary genres and elements, including narrative fiction, myths, fables, poetry, drama, and paired texts, developing their ability to analyze and interpret diverse texts. The writing component is thorough, guiding students from note-taking and thesis development to drafting, revising, and editing comprehensive essays. Additionally, students will engage in units focused on reading informational texts, analyzing articles, and understanding how to construct and deconstruct arguments. The curriculum incorporates a variety of interactive resources and activities, such as CommonLit and BrainPOP, to foster engagement and deeper understanding. Through these multifaceted learning experiences, students are well-prepared for the state English Language Arts Assessment, demonstrating proficiency in reading comprehension, analytical skills, and effective writing.

ELA English 11

COURSE NUMBER: ELA11   ELACR11   ELAM11   ELAS11

EMIS CODE: 050180

CREDIT: 1

In the ELA English 11 (11th grade) course, students will develop their reading, writing, and language skills through a comprehensive curriculum designed to enhance their understanding of language and literature. The course begins with foundational units on word meanings, word changes, hyphenation, spelling, usage, and references, building a strong basis in language mechanics. As students progress, they will delve into themes, central ideas, and textual evidence, developing their analytical skills. The curriculum covers figures of speech such as hyperbole and paradox and explores the author's purpose, view, and plot structures. Students will engage with various text features and directions, and analyze ideas and events within different types of writing. The course includes reading and analyzing both fiction and nonfiction texts, such as Edgar Allan Poe's "The Tell-Tale Heart" and Frederick Douglass's "The Narrative of the Life of Frederick Douglass," as well as persuasive texts like "Girls of the Crescent." Themes of courage, being different, failure and success, and inclusion are explored through various literary works, including poetry about sports, families, and nature. The curriculum also emphasizes understanding word origins, sentence boundaries, and primary sources, such as the Preamble to the Constitution, "The New Colossus," Roosevelt's Declaration of War Address, and the Address to the Nation on Terrorist Attacks. Rhetorical techniques and their application in writing are key components, with units dedicated to rhetoric and students' own writing. The course incorporates interactive resources such as CommonLit, BrainPOP, and other student activities to enhance engagement and understanding. Assessments, including a semester exam and a final exam, ensure that students are well-prepared for the state English Language Arts Assessment, demonstrating proficiency in reading, writing, and critical thinking skills.

ELA English 12

COURSE NUMBER: ELA12   ELACR12   ELAM12   ELAS12

EMIS CODE: 050190

CREDIT: 1

In the ELA English 12 (12th grade) course, students will develop their reading, writing, and critical thinking skills through an extensive curriculum that covers a variety of British literature, poetry, and research-based writing. The course begins with an exploration of British literature, including excerpts from Shakespeare's "Romeo and Juliet," "Sonnet 5," "Sonnet 18," and Hamlet's soliloquy "To be, or not to be...," as well as works like "If" by Rudyard Kipling, "Sonnet 43," "A Matter of Prejudice," "I Am Offering This Poem," "The Selfish Giant," "The Walrus and the Carpenter," "My Last Duchess," "Love and Friendship," "The Market Square Dog," "The Landlady," "The Land of Story-Books," and "Travel." The curriculum includes an assessment of British literature, followed by a focus on research skills and the analysis of visual information. Students will delve into topics such as "The Science of Branding: Why We Buy," "Battle of the Brands," and "Apple and Branding," learning to use information ethically, paraphrase, analyze visual media, and present information using technology. Lessons on sharing information appropriately, effective questioning, cause and effect analysis, sequencing, chronological order, comparing and contrasting, and media exploration are also included. The writing component emphasizes communicating to persuade and inform, planning and drafting research papers, and understanding primary and secondary sources. Students will analyze political media, create works cited pages, and develop in-text citations. The course culminates in the completion and review of a comprehensive research paper. Interactive resources like CommonLit, BrainPOP, and Discovery Education, along with various student activities, enhance engagement and understanding. This rigorous approach ensures students are well-prepared for post-secondary education and the demands of college-level English, demonstrating proficiency in literary analysis, research skills, and effective communication.

ELA Practical English

COURSE NUMBER:ELAP

EMIS CODE: 050190

CREDIT: 1

In the ELA Practical English (12th grade) course, students will be equipped with essential practical English skills needed for professional and personal success. Covering a broad spectrum of topics, the course focuses on enhancing both written and verbal communication, effective time and stress management, critical reading, and research techniques. Students will develop the ability to write compelling resumes, manage stress, engage in ethical information usage, and present research findings using technology. Emphasis is also placed on leadership qualities, understanding various perspectives, and mastering the art of influencing others through persuasive communication. The course encourages active engagement with texts, critical analysis of visual and political media, and effective use of primary and secondary sources. By the end of the course, students will be adept at communicating clearly, thinking critically, and presenting information professionally.

ELA Short Stories Part I

COURSE NUMBER: ELASSI   ELACRSSI

EMIS CODE: 059999

CREDIT: ½

In the ELA Short Stories I (High School Elective) course, students will explore a rich array of classic and contemporary short stories, enhancing their literary analysis, critical thinking, and comprehension skills. The course begins with Edgar Allan Poe's "The Tell-Tale Heart," delving into themes of guilt and madness, followed by O. Henry's "The Gift of the Magi," which explores themes of love and sacrifice. Jack London's "To Build a Fire" examines human versus nature, while P.G. Wodehouse's "The Aunt and the Sluggard" offers a humorous take on societal norms. Students will also read Washington Irving's "The Legend of Sleepy Hollow" and Ambrose Bierce's "An Occurrence at Owl Creek Bridge," both rich in American folklore and historical context. H.G. Wells' "The Country of the Blind" presents a thought-provoking narrative on perception and reality. The course includes James Thurber's "The Catbird Seat," Arthur Conan Doyle's "The Red-Headed League," and J.M. Barrie's "The Inconsiderate Waiter," each offering unique perspectives on human behavior and social commentary. Mark Twain's "The Celebrated Jumping Frog of Calaveras County" brings humor and regional dialect to the forefront, while Louisa May Alcott's "A Christmas Dream and How it Came True" imparts moral lessons. William Faulkner's "A Rose for Emily" and Sherwood Anderson's "Sophistication" provide deep dives into character studies and Southern Gothic themes. Katherine Anne Porter's "The Jilting of Granny Weatherall" and Bret Harte's "The Outcasts of Poker Flat" conclude the narrative exploration with themes of memory, regret, and redemption. The course culminates in a final exam and includes various formats such as eBooks, PDFs, mp3s, and mp4s to accommodate diverse learning preferences, ensuring a comprehensive and engaging study of short stories.

ELA Short Stories Part II

COURSE NUMBER: ELASSII   ELACRSSII

EMIS CODE: 059999

CREDIT: ½

In the ELA Short Stories II (High School Elective) course, students will deepen their literary analysis skills through a diverse selection of short stories, focusing on character change, point of view, vocabulary, text structure, and thematic elements. The course begins with an analysis of character change in "Athena and the Dandelions" and "Cracks of Gold," followed by character studies in "Recognition." Students will explore character point of view with Ray Bradbury's "All Summer in a Day," "A Man Who Had No Eyes," and "Saturday School." The curriculum includes exercises in finding the meaning of unknown words through stories like "Into the Rapids," "Charles," and "Black Blizzard."

Text structure is analyzed in "The Scholarship Jacket," "No-Guitar Blues," and "The Party." Students will identify and summarize themes in "Lucky Feet," "Matthias and the Dragons," and "The Wild Dog of Caucomgomoc," enhancing their understanding of narrative messages and moral lessons. Critical thinking is further developed by finding the best evidence in stories such as "Stray," "Thank You, M'am," and "Tornado Coming!" The course incorporates interactive resources like Edpuzzle, student activities, and provides materials in mp3, ebook, and PDF formats to cater to different learning styles. This comprehensive approach ensures students are well-equipped with advanced literary analysis skills, preparing them for higher-level English studies and fostering a deeper appreciation for literature.

ELA Greek Mythology

COURSE NUMBER: ELAGM

EMIS CODE: 059999

CREDIT: ½

In the ELA Greek Mythology (High School Elective) course, students will embark on an in-depth exploration of ancient Greek myths, their gods, heroes, and cultural impact. The course begins with an introduction to Greek mythology, setting the stage for understanding its significance and origins. Students will delve into the myths of the Titans and the creation of the world, followed by an examination of the major gods Poseidon and Hades. The curriculum then covers the stories of Athena, Apollo, Artemis, and Aphrodite, enriching students' knowledge of these deities' roles and attributes. Greek geography and culture are explored to provide context for the myths, followed by the tales of Hermes, Ares, Hephaestus, and Hestia, and the lesser gods like Eros, Iris, the Muses, and the Graces, including their influence on the underworld and earthly matters. Students will study the agricultural deities Demeter and Dionysus and the legendary feats of Hercules. The intriguing myths of Prometheus, Epimetheus, Pandora, and Io are analyzed, leading to the adventurous quest for the Golden Fleece with Jason and the Argonauts. The heroic narratives of Theseus and Perseus are examined, followed by the epic stories of the Trojan War and the Fall of Troy. The curriculum culminates with the adventures of Odysseus, the tragic tales of the House of Atreus, and the myths of Daedalus, Icarus, and Atalanta. The course includes interactive activities and materials in ebook and PDF formats to cater to diverse learning preferences. This comprehensive approach ensures that students gain a deep appreciation and understanding of Greek mythology, preparing them for advanced studies in literature and history, while also enhancing their critical thinking and analytical skills.

ELA Roman Mythology

COURSE NUMBER: ELARM

EMIS CODE: 059999

CREDIT: ½

In the ELA Roman Mythology (High School Elective) course, students will explore the rich and intricate world of Roman myths, gods, heroes, and their cultural significance. The course begins with an introduction to Roman mythology, laying the foundation for understanding its origins and importance. Students will study Roman geography and culture to contextualize the myths, followed by an in-depth look at the chief deities Jupiter and Juno. The curriculum continues with an examination of Pluto, Proserpine, Neptune, and Mercury, and delves into various tales of transformation. The epic story of Aeneas is a focal point, starting with his role in the Trojan War, his journey, relationship with Dido, adventures in Sicily, and quest for the Golden Bough. The narrative progresses with Aeneas's descent into the underworld, the war in Italy, the founding of Rome, and the initial siege. Students will analyze the great battle, the end of the war, and the legendary tale of Romulus and Remus. The course also covers the story of the Sabine Women, Numa the Wise King, the House of Tarquin, the early Republic, and the rise of Rome. Additionally, students will explore the lives of Roman heroes and emperors, culminating in the myth of Apollo and Daphne. Interactive elements, including mp4 and mp3 resources, student activities, and Discovery Education materials, ensure a dynamic and engaging learning experience. This comprehensive approach allows students to develop a deep understanding of Roman mythology, enhancing their critical thinking and analytical skills while preparing them for advanced studies in literature and history.

ELA Poetry

COURSE NUMBER: ELAP

EMIS CODE: 059999

CREDIT: ½

In the ELA Roman Mythology (High School Elective) course, students will explore the rich and intricate world of Roman myths, gods, heroes, and their cultural significance. The course begins with an introduction to Roman mythology, laying the foundation for understanding its origins and importance. Students will study Roman geography and culture to contextualize the myths, followed by an in-depth look at the chief deities Jupiter and Juno. The curriculum continues with an examination of Pluto, Proserpine, Neptune, and Mercury, and delves into various tales of transformation. The epic story of Aeneas is a focal point, starting with his role in the Trojan War, his journey, relationship with Dido, adventures in Sicily, and quest for the Golden Bough. The narrative progresses with Aeneas's descent into the underworld, the war in Italy, the founding of Rome, and the initial siege. Students will analyze the great battle, the end of the war, and the legendary tale of Romulus and Remus. The course also covers the story of the Sabine Women, Numa the Wise King, the House of Tarquin, the early Republic, and the rise of Rome. Additionally, students will explore the lives of Roman heroes and emperors, culminating in the myth of Apollo and Daphne. Interactive elements, including mp4 and mp3 resources, student activities, and Discovery Education materials, ensure a dynamic and engaging learning experience. This comprehensive approach allows students to develop a deep understanding of Roman mythology, enhancing their critical thinking and analytical skills while preparing them for advanced studies in literature and history.

MATH 9-12

MATH Algebra I

COURSE NUMBER: MATHAI   MATHCRAI   MATHMAI   MATHS09   MATHFAI   MATHCPAI

EMIS CODE: 110301   MATHRAI

CREDIT: 1

In the MATH Algebra I (Grade 9) course, students will develop a solid foundation in algebraic concepts and skills through a comprehensive and structured curriculum. The course begins with an introduction to combining like terms and the distributive property, setting the groundwork for understanding algebraic expressions. Students will then progress to solving equations in two parts, learning essential techniques for isolating variables and finding solutions. The study of functions and graphing linear functions follows, where students will explore the concept of slope and how to write linear equations. The course also covers scatter plots to understand data distribution and relationships. A mid-semester review ensures mastery of these concepts before moving on to more complex topics such as systems of equations and systems of inequalities. The curriculum includes the multiplication properties of exponents, division and negative exponent properties, and the exploration of roots and rational exponents. Students will study exponential functions and learn about arithmetic and geometric sequences. The understanding of polynomials is deepened with units on multiplying and factoring polynomials, leading to solving equations involving polynomials. Graphing quadratic functions in various forms and solving quadratic equations using different methods, including the quadratic formula, are key components of the course. The study of function families and transformations broadens students' understanding of mathematical relationships and changes. The course also distinguishes between rational and irrational numbers and teaches students how to solve quadratic equations by graphing, factoring, and using square roots. Practical applications are highlighted through quadratic function word problems. Measures of center and spread, along with histograms, dot plots, and two-way tables, are covered to enhance students' data analysis skills. Throughout the course, interactive student practices, video tutorials, and resources like Discovery Education and Edpuzzle ensure an engaging and supportive learning environment. The curriculum is designed to build a strong algebraic foundation, preparing students for advanced mathematics courses. The course culminates in a final review, reinforcing all concepts learned and ensuring students' readiness for further mathematical challenges.

MATH Integrated Math I

COURSE NUMBER: MATHIMI

EMIS CODE: 110010

CREDIT: 1

In the MATH Integrated Math I (Grade 9) course, students will build a comprehensive understanding of fundamental mathematical concepts through a well-structured curriculum. The course begins with an introduction to integers, followed by an exploration of factors, powers, and square roots, providing a solid foundation in basic arithmetic operations. Students will then progress to mastering fractions, decimals, and scientific notation, enhancing their numerical fluency. The curriculum covers the real number system, equipping students with the knowledge to categorize and understand different types of numbers. Solving equations is a key focus, where students will learn techniques for finding solutions to various algebraic expressions. The study of ratios and proportions, along with basics of percent problems, prepares students for practical applications of mathematics in real-world scenarios. A mid-semester review ensures mastery of these concepts before advancing to more complex topics such as applications of percent, data processing, interpretation, and evaluation. Counting and probability units introduce students to fundamental principles of chance and statistics. The course also covers systems of measurement, geometric concepts involving points, lines, angles, circles, and properties of triangles. Students will explore polygons, quadrilaterals, sequences, and transformations, developing their spatial reasoning and geometric skills. Measurement topics like perimeter, circumference, area, surface area, and volume are thoroughly examined, along with the Pythagorean Theorem and right triangles. Concepts of scale drawings, similar figures, and right triangle trigonometry further enhance students' understanding of geometry. Another mid-semester

review reinforces the learning before moving on to exponents, polynomials, relations, and functions. The curriculum includes a detailed study of slope, linear equations, systems of equations (graphing, substitution, and elimination), inequalities, absolute value, and nonlinear functions. Throughout the course, interactive student activities, Edpuzzle, and Discovery Education resources ensure an engaging and supportive learning environment. This comprehensive approach prepares students for advanced mathematical studies by reinforcing critical concepts and skills, ultimately culminating in a final review at the end of each semester to ensure readiness for future mathematical challenges.

MATH Geometry

COURSE NUMBER: MATHG MATHCRG   MATHMG   MATHSG   MATHCPG

EMIS CODE: 111200

CREDIT: 1

In the MATH Geometry (Grade 10) course, students will develop a thorough understanding of geometric principles through a detailed and structured curriculum. The course begins with the foundational tools of geometry, covering lines, planes, rays, segments, and angles. Students will then explore concepts of congruence and the angles formed by intersecting lines, followed by a study of parallel and transversal lines. An algebra review on the slope-intercept form prepares students for examining parallel and perpendicular lines. The curriculum delves into triangles, including the Triangle Sum Theorem and properties of isosceles and equilateral triangles, then progresses to polygons and the Polygon Angle Sum Theorem. Students will learn about transformations and their rules, ratios and proportionals, and the properties of similar and congruent figures. The first semester culminates in an exam that consolidates these topics. In the second semester, the focus shifts to trigonometry with right triangles, covering sine, cosine, tangent ratios, finding sides using trigonometric ratios, and inverse trigonometry. The course then covers circles, including identifying parts, calculating radius, diameter, and circumference, understanding arcs and central angles, inscribed angles, and determining the area of circles and sectors. Students will also learn to write equations of circles. The curriculum includes a comprehensive study of area calculations for squares, rectangles, triangles, and quadrilaterals, followed by volume calculations for prisms, cubes, cylinders, cones, spheres, and composite figures. The final units cover probability, including an introduction and set theory, as well as conditional and independent events. Interactive elements such as Edpuzzle, student activities, and Discovery Education resources ensure an engaging learning experience. The course culminates in a second semester exam, reinforcing all learned concepts and preparing students for advanced mathematical studies. This comprehensive approach ensures students gain a deep understanding of geometry, enhancing their critical thinking and problem-solving skills.

MATH Integrated Math II

COURSE NUMBER: MATHIMII   MATHCRIMII

EMIS CODE: 110020

CREDIT: 1

In the MATH Integrated Math II (Grade 10) course, students will build on their foundational math skills through an extensive and structured curriculum. The course begins with an exploration of points, lines, planes, and angles, establishing the basics of geometry. Students will then delve into the coordinate plane and line segments, followed by a deeper study of coordinate geometry and logical reasoning. The curriculum includes properties of equality and the properties and proofs of segments and angles, enhancing students' understanding of geometric relationships. Various formulas are introduced, preparing students for practical applications. A mid-semester review ensures comprehension before moving on to more complex topics such as angles, transversals, parallel and perpendicular lines, and properties of triangles. The course emphasizes proving triangles congruent, exploring specialties with triangles, indirect proofs, and understanding inequalities and triangle inequalities. Students will study quadrilaterals, parallelograms, and rectangles, followed by a review and the first semester final. The second semester covers special parallelograms and quadrilaterals, ratios, proportions, and similar figures. Students will examine the proportional parts of similar triangles and the features of right triangles, including right triangle trigonometry. The curriculum includes a comprehensive study of circles, inscribed angles, tangents, secants, and special segments, as well as equations of circles. Another mid-semester review reinforces the learning. The course also covers polygons, tessellations, area calculations, and the applications of polygons and circles, followed by surface area and volume. Students will graph equations of lines, perform coordinate proofs, and study

transformations and loci. The curriculum concludes with permutations and combinations, preparing students for the second semester final. Interactive elements such as student activities, Discovery Education resources, and video online tutorials ensure an engaging and supportive learning environment. This comprehensive approach allows students to develop a deep understanding of integrated mathematical concepts, enhancing their critical thinking and problem-solving skills, and preparing them for advanced mathematical studies.

MATH Algebra II

COURSE NUMBER: MATHAII   MATHCRAII   MATHMAII   MATHS11   MATHCPAII

EMIS CODE: 110302

CREDIT: 1

In the MATH Algebra II (Grade 11) course, students will deepen their understanding of advanced algebraic concepts through a comprehensive curriculum. The course begins with linear equations, followed by solving equations and their applications, and then progresses to inequalities and absolute value equations. Students will enhance their skills with operations involving numbers and exponents, and study functions and their inverses. Special functions and transformations are covered to broaden their understanding of function behavior. The curriculum then delves into systems of equations and linear inequalities, including solving systems of linear inequalities. A mid-semester review ensures mastery of these concepts before introducing matrices and solving systems with matrix equations. Quadratic functions, solving quadratic equations, and complex numbers are key focuses, along with further exploration of quadratic functions and curve fitting with quadratic inequalities. In the second semester, students will explore exponential growth and decay, logarithmic functions, and natural logarithms, which provide a foundation for understanding exponential relationships. Polynomial functions, graphing and solving polynomial equations, and rational expressions are examined in depth. The curriculum includes solving rational expressions and equations, as well as radical expressions and equations. Geometric concepts are integrated with the study of distance and midpoint formulas, circles, parabolas, ellipses, and hyperbolas, along with solving quadratic systems. Circular trigonometry and advanced trigonometry topics are covered to enhance students' understanding of angles and periodic functions. The course also includes sequences and series, and a thorough exploration of probability, including the fundamental counting principle, permutations, combinations, independent and dependent events, conditional probability, and statistics. Throughout the course, interactive elements such as student activities, Discovery Education resources, and online tutorials ensure an engaging and supportive learning environment. This comprehensive approach prepares students for advanced mathematical studies, enhancing their critical thinking and problem-solving skills, and culminating in a final review at the end of each semester to ensure readiness for future mathematical challenges.

MATH Integrated Math III

COURSE NUMBER: MATHIMIII   MATHCRIMIII

EMIS CODE: 110030

CREDIT: 1

In the MATH Integrated Math III (Grade 11) course, students will build upon their algebraic and geometric knowledge through a comprehensive curriculum. The course begins with linear equations and progresses to equations in two variables, exploring the properties of parallel and perpendicular lines. Direct variation, solving equations and proportions, and understanding inequalities and absolute value equations are key early topics. Students will also revisit the order of operations and properties of exponents, which lay the groundwork for studying functions. A review session ensures mastery before moving on to systems of equations and linear inequalities, including solving systems of linear inequalities. The curriculum then delves into applications of matrices and solving systems with matrix equations. Quadratic functions, quadratic equations, and the zero-product property are thoroughly examined, followed by solving quadratic equations and working with complex numbers. Students will also explore curve fitting and quadratic inequalities, culminating in the first semester final. In the second semester, the course covers more quadratic functions, exponential growth and decay, logarithms, and natural logarithms, providing a comprehensive understanding of exponential and logarithmic relationships. Polynomial functions, including long division and synthetic division, are studied in depth, along with solving polynomial equations and the remainder and factor theorems. Rational expressions and equations, as well as radical expressions and equations, are key focuses. The geometric concepts of distance and midpoint formulas, parabolas, circles, ellipses,

hyperbolas, and solving quadratic systems are explored, with a review of conic sections consolidating this knowledge. The curriculum also includes a thorough exploration of probability, covering the fundamental counting principle, permutations, combinations, and the analysis of independent and dependent events. Right triangle trigonometry is introduced to enhance students' understanding of trigonometric principles. Interactive elements such as student activities, Discovery Education resources, and online tutorials ensure an engaging and supportive learning environment. This comprehensive approach prepares students for advanced mathematical studies, enhancing their critical thinking and problem-solving skills, and culminating in a final review at the end of each semester to ensure readiness for future mathematical challenges.

MATH Data Science Foundation

COURSE NUMBER: MATHDSF

EMIS CODE: 119980

CREDIT: 1

In the Data Science Foundations (Grade 11) course, students will develop a comprehensive understanding of essential data science principles through an extensive and structured curriculum. The course begins with working with sets and classifying numbers, followed by evaluating numerical expressions and understanding the properties of real numbers. Students will progress to evaluating algebraic expressions, square root laws, and the laws of exponents, including operations, zero, and negative exponents. The curriculum includes the Pythagorean Theorem and basic geometric shapes, focusing on area and perimeter calculations. Polynomial operations such as addition, subtraction, multiplication, and division are covered next. Students will then study linear equations and modeled linear equations, followed by the quadratic formula, quadratic factoring, and the properties of complex numbers. The course includes properties of graphing and solving linear equations, linear inequalities, and their graphical representations. Simple and compound interest are introduced, along with linear modeling and systems of equations graphing. Direct and indirect variation, domain and range (both algebraically and graphically), and piecewise function properties are explored. The first semester concludes with a comprehensive review and final exam. In the second semester, students will delve into transformations of functions, scatter plots, and the differentiation between linear and nonlinear relationships. Exponential functions and an introduction to logarithmic functions are covered, followed by logarithmic expanding, condensing, and properties. The curriculum includes solving natural and common logarithms, graphing logarithmic equations, continuously compounding interest, and growth and decay. Triangle classifications, congruence, special right triangles, right triangle trigonometry, and trigonometric story problems and reciprocals are studied. Students will also learn to calculate the area of triangles using trigonometry, the area of polygons, and apply the Law of Sines and Law of Cosines. The unit circle, conversion between radians and degrees, and systems of equations (elimination and substitution) are covered. The course concludes with arithmetic and geometric sequences, Pascal's Triangle, and binomial expansion, followed by a second semester review and final exam. Interactive elements such as student activities, online video tutorials, Edpuzzle, and projects ensure an engaging and supportive learning environment. This comprehensive approach equips students with a solid foundation in data science principles, enhancing their analytical and problem-solving skills, and preparing them for advanced studies in data science and related fields.

MATH Modeling & Reasoning

COURSE NUMBER: MATHMR

EMIS CODE: 111350

CREDIT: 1

In the MATH Modeling and Reasoning (Grade 12) course, students will develop advanced mathematical skills through a detailed and structured curriculum. The course begins with ratios, tape diagrams, and using ratio tables, followed by an in-depth look at rates, unit rates, and converting measures. Students will learn to identify proportional relationships, write and solve proportions, and apply their understanding of fractions, decimals, and percentages in real-life contexts. The curriculum covers converting between fractions, decimals, and percentages, understanding the percent proportion, and using the percent equation. Topics such as percent increase and decrease, discounts, markups, and simple interest are also included. The first semester concludes with the Pythagorean Theorem and a comprehensive exam. The second semester starts with an introduction to statistics, covering statistical mean, measures of center, and measures of variation, including mean absolute variation. Probability is explored through experimental and theoretical probability, compound events, and simulations. Students will learn about samples and populations, using random samples to describe and compare populations, and will develop skills in writing and solving one-step and multi-step equations, including those with variables on both sides. The curriculum also includes rewriting equations and formulas. Interactive elements such as student activities, video tutorials, and resources like EVERFI ensure an engaging and supportive learning environment. This comprehensive approach equips students with the skills necessary for advanced mathematical reasoning and problem-solving, preparing them for future academic and real-world challenges. The course culminates in a final exam that consolidates all learned concepts, ensuring students are well-prepared for their next steps in mathematics and beyond.

MATH Advanced Math

COURSE NUMBER: MATHAM

EMIS CODE: 110099

CREDIT: 1

In the MATH Advanced Math (Grade 12) course, students will delve into advanced mathematical concepts through a comprehensive and structured curriculum. The course begins with an algebra review, followed by graphing techniques and a review of conic sections. Students will explore sets and intervals, types of numbers, and number classifications, enhancing their understanding of foundational concepts. The curriculum covers relations and functions, graphing techniques for functions, and the use of graphing calculators. Students will study the inverse of a function and two special functions. The course includes solving systems of equations for points of intersection and an introduction to matrices, followed by matrices and systems of equations. Curve fitting, scatter plots, and regression are key topics, along with solving rational expressions and partial fraction decomposition. Radical equations and expressions, the nature of complex numbers, and a further investigation into complex numbers round out the first semester, which concludes with a comprehensive final exam. In the second semester, the curriculum delves into trigonometry, covering special right triangles, circular trigonometry, and graphing trigonometric functions. Students will explore inverse trigonometric functions, trigonometric identities, and double-angle and half-angle identities, along with the Law of Sines and the Law of Cosines. The course includes calculating the area of triangles and solving trigonometric equations. Polar coordinates, equations, and graphs are introduced, followed by graphing polar equations and exploring trigonometry in the complex plane. The curriculum also covers exponential expressions, an introduction to logarithms, and the applications of exponential and logarithmic functions, including the natural exponential and logarithm. Students will study sequences and series, infinite sequences and series, and convergent and divergent infinite series, along with mathematical induction and the binomial theorem. The course integrates interactive elements such as student activities and resources from Discovery Education to enhance engagement and understanding. This comprehensive approach ensures that students develop a deep understanding of advanced mathematical concepts, preparing them for higher education and future careers requiring strong mathematical skills. The course culminates in a second semester final exam, consolidating all learned concepts and ensuring students are well-prepared for their next steps in mathematics.

MATH Calculus

COURSE NUMBER: MATHC

EMIS CODE: 110099

CREDIT: 1

In the MATH Calculus (Grade 12) course, students will explore advanced mathematical concepts through a comprehensive and structured curriculum. The course begins with a review of fundamental concepts, followed by an in-depth study of finding limits graphically, numerically, and analytically. Students will learn about one-sided limits and continuity, limits involving infinity, rates of change, and the tangent lines. The definition of a derivative is introduced, along with differentiation rules in two parts. The course then covers the differentiation of trigonometric functions and the use of calculators for evaluating derivatives. Applications of derivatives, the chain rule, implicit differentiation, and derivatives of inverse functions are key topics, as well as derivatives of exponential and logarithmic functions. Students will explore extreme values of functions, increasing and decreasing functions, and the relationship between functions, derivatives, and second derivatives. The first semester concludes with a comprehensive final exam. In the second semester, the curriculum delves into integrals, starting with an introduction to integrals, indefinite integrals, and definite integrals in two parts. Integration techniques such as substitution (pattern recognition), numerical integration, and the natural log function are covered, along with applications to growth and decay. Students will also learn to use calculators for integration, explore integration by parts, and calculate areas in a plane using the disc and washer methods for both horizontal and vertical rotations. The study of sequences, L'Hôpital's rule, and slope fields are also included. The course integrates interactive elements such as video tutorials and resources from Discovery Education to enhance engagement and understanding. This comprehensive approach ensures that students develop a deep understanding of calculus, preparing them for higher education and future careers requiring advanced mathematical skills. The course culminates in a second semester final exam, consolidating all learned concepts and ensuring students are well-prepared for their next steps in mathematics.

MATH Financial Math

COURSE NUMBER: MATHFM

EMIS CODE: 110099

CREDIT: 1

In the MATH Financial Math (Grade 12) course, students will gain a comprehensive understanding of practical financial skills through a structured and detailed curriculum. The course begins with a math review covering fractions, decimals, percent, and formulas to ensure students have the foundational skills needed for financial calculations. It progresses to topics such as gross pay, wages and salaries, tips and commission, and the distinction between employees and independent contractors. Students will learn about income taxes, payroll taxes, and how to calculate net pay. The curriculum also covers banking concepts, including savings accounts, types of savings accounts, checking accounts, and credit cards, along with the implications of debt. The first semester concludes with an exam to assess students' understanding of these concepts. In the second semester, the course delves into practical financial applications such as sales tax, discounts, rebates, and tips, as well as payment options and purchasing decisions. Students will explore the complexities of renting a home, buying a home (including mortgage, closing costs, escrow, and property tax), and buying and leasing a car. The curriculum then shifts to more advanced topics like net worth, investing, bonds, stocks, and mutual funds. Students will also learn about the basics of insurance, including automobile, health, and other types of insurance. The course integrates interactive elements such as student activities, Edpuzzle, and video tutorials to enhance engagement and understanding. This comprehensive approach ensures that students develop critical financial literacy skills, preparing them for real-world financial decision-making and challenges. The course culminates in a final exam that consolidates all learned concepts, ensuring students are well-prepared for their financial futures.

MATHS 12

COURSE NUMBER: MATHS12

EMIS CODE: 110099

CREDIT: 1

In the MATHS 12 (Grade 12) course, students cover a wide range of topics all in Spanish related to income, saving money, financial responsibility, producers and consumers, labor and income, spending habits, financial decision-making, expenses, saving options, financial institutions, income calculations, financial records, budgeting, debit cards, credit management, credit history, consumer math review, semester exam, and various daily marketplace scenarios related to money management. Throughout the course, students will learn essential concepts such as calculating income, making informed financial decisions, budgeting, managing credit, understanding forms of payment, and developing thrifty habits. Additionally, they will explore real-life scenarios related to purchasing goods and services, managing money, and avoiding common financial mistakes. By the end of the course, learners will have acquired practical skills and knowledge that will help them make informed financial choices and effectively manage their personal finances.

SOCIAL STUDIES 9-12

SS American History

COURSE NUMBER: SSAH   SSCRAH   SSMAH   SSSAH

EMIS CODE: 150810

CREDIT: 1

In the SS American History (Grade 9) course, students will explore the rich tapestry of American history from its founding to contemporary times. Beginning with foundational documents like the Declaration of Independence and the U.S. Constitution, students will delve into pivotal periods such as westward expansion, industrialization, and the Cold War. Through a combination of historical analysis, critical thinking, and interactive activities using platforms like Edpuzzle, Discovery Education, and Britannica Learn, students will develop essential skills in assessing credibility, constructing theses, and understanding causation and correlation, while also examining key events, social transformations, and shifts in American society.

SS American Government I

COURSE NUMBER: SSAGI   SSCRAGI   SSMAG   SSSAG

EMIS CODE: 150300

CREDIT: ½

In the SS American Government (Grade 10) course, students will embark on a comprehensive exploration of the fundamental principles and structures of the United States government. From civic participation and the basic principles of the Constitution to the intricacies of federalism and the rights and responsibilities of citizens, students will analyze primary sources such as the Federalist and Anti-Federalist Papers, the Bill of Rights, and key constitutional amendments. Through interactive activities facilitated by platforms like Edpuzzle, Discovery Education, and Britannica Learn, students will not only gain a deep understanding of the three branches of government but also examine contemporary public policy issues, economic growth, and the role of individuals and organizations in shaping governmental decisions. Throughout the course, emphasis will be placed on critical thinking, civic responsibility, and an appreciation for the complexities of democratic governance.

SS Government & Politics II

COURSE NUMBER: SSIPI   SSCRGPII

EMIS CODE: 150300

CREDIT: ½

In the SS Government & Politics (Grade 10) course, students will explore the principles of American government and the responsibilities of citizenship on federal, state, and local levels. The United States Constitution provides the structure for much of the course and several other significant documents, including the Ohio State Constitution of 1851. Students are encouraged to address current issues and policies through public processes. The government's role in the economic realm will also be discussed.

SS World History

COURSE NUMBER: SSWH   SSCRWH   SSMWH   SSSWH

EMIS CODE: 150890

CREDIT: 1

In the SS World History (Grade 11) course, students will explore the profound transformations in human history from the Enlightenment to the present day. The course covers pivotal events such as the Industrial Revolution, both World Wars, the Russian Revolution, the Cold War, the decolonization of Africa and India, and the rise of multinational organizations. Students will examine the impact of scientific advancements, imperialism, and global conflicts, while also delving into significant social changes like the struggle to end apartheid and the liberation movements in Latin America. Modern global issues, such as terrorism and the shift to a multipolar world, are also addressed. The course integrates interactive activities from Discovery Education and Britannica Learn to enhance student engagement and understanding, culminating in comprehensive semester examinations.

SS Psychology

COURSE NUMBER: SSPSYC

EMIS CODE: 151121

CREDIT: ½

In the SS Psychology (HS Elective) course, students will delve into the fascinating study of the human mind and behavior, starting with the foundational question, "What is Psychology?" The course traces the history and evolution of psychology, explores contemporary psychological practices, and examines the brain's control over thoughts, feelings, and behavior. Key topics include consciousness, the importance of sleep, substance use and abuse, and various learning theories such as classical and operant conditioning. Students will also explore memory functions and the nature of aggression. Interactive activities, including Edpuzzle and Open Educational Sources, will enhance student engagement and understanding. Comprehensive examinations will ensure students gain a deep understanding of psychological concepts and their applications.

SS Sociology

COURSE NUMBER: SSSOCL

EMIS CODE: 151300

CREDIT: ½

In the SS Sociology (HS Elective) course, students will explore the intricate dynamics of societies and human interactions, beginning with the foundational story and history of sociology. The course covers various theoretical perspectives, the importance of studying sociology, and the concept of culture, including its elements, pop culture, subculture, and cultural change. Students will delve into agents of socialization, theories of self-development, and social constructions of reality. Topics such as global wealth and poverty, social stratification and mobility in the United States, and issues related to race, ethnicity, and intergroup relationships are also examined. Interactive activities, including Edpuzzle and Open Educational Sources, will be utilized to enhance student engagement and understanding. Comprehensive examinations will ensure a deep grasp of sociological concepts and their real-world applications.

SS Economics

COURSE NUMBER: SSE SSCRE SSME SSSE

EMIS CODE: 150600

CREDIT: ½

In the SS Economics (HS Elective) course, students will embark on a comprehensive journey through the fundamental principles and intricate dynamics of economics. From thinking like an economist and understanding cost versus benefit to exploring different economic systems and the forces of demand and supply, students will delve into the core concepts that drive economic decision-making. They will analyze primary sources and case studies, examining topics such as market competition, government intervention, and the role of money in the economy. Through interactive activities facilitated by platforms like Edpuzzle and Discovery Education, students will gain a deep understanding of personal finance, the stock market, economic crises, and international trade. Throughout the course, emphasis will be placed on critical thinking, informed decision-making, and an appreciation for the complexities of economic systems and policies. Students will also explore various careers in economics, preparing them for future academic and professional pursuits in the field.

SS Current Events

COURSE NUMBER: SSCEF24 SSCES25

EMIS CODE: 159999

CREDIT: ½

This is an eighteen-unit course that is developed with PBS NewsDepth. Schools will have two options for this course:
1.Current Events Fall 2024: This course will have units added weekly during the months of August - December 2024 Or
2.Current Events Spring 2025: This course has 18 will have units added weekly during the months of
January 1 - May 18, 2024.

SS World Geography

COURSE NUMBER: SSWG SSSG

EMIS CODE: 150700

CREDIT: ½

In the SS World Geography (HS Elective) course, students will embark on a comprehensive exploration of Earth's physical and human landscapes, from understanding latitude and longitude to studying continents, oceans, and geographic features. They will examine mountain ranges, rivers, and the relationship between landforms and human activity. Through interactive activities facilitated by Britannica Learn, Edpuzzle, and student interactivities, students will explore the dynamic interactions between humans and the environment, including human impacts on Earth systems and migration patterns. The course will cover the definition and characteristics of regions and cultural landscapes, providing insights into global cultures, demographics, and development. Students will analyze globalization and political divisions, gaining an understanding of global interconnections. The course will also focus on specific regions, including the United States, Canada, Mexico, and Central America, offering detailed looks at their geographic and cultural attributes. Emphasis will be placed on critical thinking, spatial awareness, and appreciating the diverse, interconnected world. By the end, students will have a comprehensive understanding of world geography, preparing them for further studies and informed global citizenship.

SSS Geography

COURSE NUMBER: SSSG

EMIS CODE: 150700

CREDIT: ½

In the SSS Geography (HS Elective) course, topics such as the United States, specific regions within the United States (New England, Mid-Atlantic, South, Midwest, Great Plains, Rocky Mountains, Southwest, West Coast, Alaska, and Hawaii), the use of maps, and other countries in the Americas (Canada, Mexico, Central America, and South America) are covered in Spanish. Throughout the course, students will learn about each region's geographical features, cultural aspects, and important details. By the end of the course, learners will have a comprehensive understanding of these areas' geography and improve their English language skills through studying and discussing geographic topics.

SCI Physical Science

COURSE NUMBER: SCIPS   SCICRPS   SCIMPS   SCISPS

EMIS CODE: 132220

CREDIT: 1

In the SCI Physical Science (Grade 9) course, students will explore fundamental scientific concepts through a comprehensive curriculum that begins with the scientific method and lab safety. The course covers the history and formation of the universe, including galaxy formation and the life cycle of stars. Students will delve into topics such as significant figures, different forms of energy, the conservation and transfer of energy, and the principles of nuclear and radiant energy. The course also includes detailed studies on wave properties, electricity, series and parallel circuits, and the engineering design cycle. Additional units focus on the classification and properties of matter, atomic models, chemical bonding, motion, and forces. Interactive tools like Quizlet, BrainPOP, Discovery Education, and Britannica Learn will be utilized to enhance engagement and understanding. Comprehensive semester exams will ensure students grasp the essential principles of physical science.

SCI Biology

COURSE NUMBER: SCIB   SCICRB   SCIMB   SCISB   SCICPB

EMIS CODE: 132330

CREDIT: 1

In the SCI Biology (Grade 10) course, students will embark on a comprehensive journey through the study of living organisms, starting with an introduction to biology and the characteristics of all living things. The curriculum covers the scientific method, the interplay between science, society, and technology, and dives into the fundamentals of biomolecules and cell biology. Students will explore processes such as photosynthesis, cellular respiration, mitosis, and meiosis, and study DNA, gene expression, and mutations. The course includes a thorough examination of heredity, from monohybrid and dihybrid crosses to sex-linked traits and pedigrees. Additionally, students will learn about ecosystems, energy flow, cycling of matter, population dynamics, evolution, and taxonomy. Interactive tools like Quizlet, BrainPOP, Discovery Education, and Britannica Learn will be utilized to enhance engagement and understanding, with comprehensive reviews at the end of each semester to solidify their knowledge.

SCI Chemistry

COURSE NUMBER: SCIC   SCICRC   SCIMC

EMIS CODE: 130301

CREDIT: 1

In the SCI Chemistry (Grade 11) course, students will explore the essential concepts and principles of chemistry, beginning with an introduction to the field and the methodologies used to study it. The course covers the description and types of matter, phases and changes of matter, and the historical and modern models of the atom. Students will delve into electronic configurations, the periodic table, and the mole concept, followed by an in-depth study of ionic and covalent bonding and nomenclature. The course also includes topics on intermolecular forces, classifying and balancing chemical reactions, and the mathematical analysis of these reactions. Further units cover energy changes in chemical reactions, solution chemistry, acid-base chemistry, and the kinetic molecular theory. The curriculum concludes with empirical and ideal gas laws, kinetics, and equilibrium. Virtual labs from Explore Learning and Discovery Education will be utilized throughout the course to enhance student engagement and understanding. Comprehensive quarterly exams will ensure a solid grasp of the material.

SCI Physics

COURSE NUMBER: SCIP

EMIS CODE: 130302

CREDIT: 1

In the SCI Physics (Grade 12) course, students will embark on a comprehensive study of the fundamental principles of physics, beginning with an introduction to the subject and an exploration of motion in one dimension. The curriculum covers projectile motion, forces and Newton's laws of motion, and the concepts of friction and circular motion. Students will delve into gravitational motion, energy, and linear momentum, followed by units on rotational motion, fluids, waves, and sound. The course also explores the properties of light and the electromagnetic spectrum, electric charges, electric current, and circuits. Virtual labs from Explore Learning and Discovery Education will be utilized throughout the course to enhance student engagement and understanding. Comprehensive reviews and exams at the end of each semester will ensure a solid grasp of the material.

SCI Environmental Science

COURSE NUMBER: SCIESES   SCIMES   SCISES

EMIS CODE: 132350

CREDIT: 1

In the SCI Environmental Science (HS Elective) course, students will explore the fundamental principles and methodologies of environmental science, beginning with an introduction to the field and its study methods. The curriculum covers ecological organizations, niches, and adaptations, along with food chains and ecological succession. Students will examine relationships within populations and communities, including feeding relationships and symbiosis. The course addresses human population growth and the impacts on land, air, and water resources, along with the pressing issue of climate change and its effects. Topics on non-renewable and renewable resources are also explored, emphasizing the importance of sustainability and practical ways to practice it. Interactive learning is enhanced through GIZMOS, with comprehensive semester exams ensuring a thorough understanding of environmental science concepts.

SCI Medical Terminology

COURSE NUMBER: SCIMT   SCICRMT

EMIS CODE: 131050

CREDIT: ½

In the SCI Medical Terminology (HS Elective) course, based on Anatomy standards, students will gain a comprehensive understanding of medical terminology, starting with an introduction to the subject and word-building techniques. The curriculum covers body organization and delves into the various body systems, including the integumentary, skeletal, muscular, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, reproductive, endocrine, and nervous systems. Additionally, the course explores the special senses of the eye and ear. Virtual labs will be utilized throughout the course to enhance interactive learning, with a final exam to ensure mastery of the material. (Intro)

SCI Medical Terminology II

COURSE NUMBER: SCIMTII

EMIS CODE: 131050

CREDIT: ½

In Sci Medical Terminology II (HS Elective), students will learn the meanings of prefixes and suffixes in the medical field and gain an understanding of the functions of each body system, including the muscular and nervous systems. They will also become familiar with terminology related to blood and its vessels and the abbreviations used by medical professionals. The course features interactive activities from Pressbook and Quizlet, challenging students to ensure a thorough understanding of the material. (Advance)

SCI Conservation Science

COURSE NUMBER: SCICS

EMIS CODE: 139998

CREDIT: 1

In the SCI Conservation Science (HS Elective) course, students will explore the rich history and current practices of conservation, beginning with an overview of the history of conservation and the North American model of wildlife conservation. The curriculum covers public and private land and water conservation, wildlife stories, and current topics in conservation. Students will delve into hunting and conservation, including state hunting regulations, related skills, game animals, and game processing. The course also covers fishing and conservation, with units on state fishing regulations, related skills, and processing aquatic species. Additional topics include trapping and conservation, shooting sports, archery, firearms, and boating. Interactive tools like student interactivities, Britannica, and Edpuzzle will be utilized throughout the course to enhance learning. Comprehensive assessments will ensure students gain a deep understanding of conservation science concepts and practices.

SCI Pathway to Forensic Science I

COURSE NUMBER: SCIFI   SCICRFI

EMIS CODE:139997

CREDIT: ½

In the SCI Pathway to Forensic Science I (HS Elective) course, students will delve into the intriguing world of forensic science, starting with an introduction to the role and work of forensic scientists. The curriculum explores various career paths within the field, work environments, and essential terminology. Students will learn about the educational paths required, skill-building strategies, and the process of securing a job in forensic science. The course also offers insights into exploring forensic science as a student and considers the future of the field. Interactive elements such as virtual labs on fingerprint collection and classification, along with student interactivities, Discovery Education resources, and open educational sources, will be utilized to enhance learning. Comprehensive assessments will ensure a thorough understanding of forensic science concepts and practices.

SCI Forensic Science II

COURSE NUMBER: SCIFII   SCICRFII   SCISFS

EMIS CODE: 139997

CREDIT: ½

In the SCI Forensic Science II (HS Elective) course, students will delve into the intriguing world of forensic science, starting with an introduction to the role and work of forensic scientists. The curriculum explores various career paths within the field, work environments, and essential terminology. Students will learn about the educational paths required, skill-building strategies, and the process of securing a job in forensic science. The course also offers insights into exploring forensic science as a student and considers the future of the field. Interactive elements such as virtual labs on fingerprint collection and classification, along with student interactivities, Discovery Education resources, and open educational sources, will be utilized to enhance learning. Comprehensive assessments will ensure a thorough understanding of forensic science concepts and practices.

SCI Marine Science

COURSE NUMBER: SCIMS

EMIS CODE: 139998

CREDIT: ½

In the SCI Marine Science (HS Elective) course, students will delve into the diverse and dynamic world of marine science, beginning with an introduction to the hydrosphere and the importance of studying the ocean. The curriculum covers measuring the ocean, the chemical and physical properties of seawater, and the nature and impact of waves and tides. Students will explore ocean currents, the ocean floor, and sediments, and examine food chains and food webs within ocean zones and near-shore ecosystems. The course also investigates plankton, marine plants, and the classification of marine animals, including fish and marine mammals. Critical topics such as marine pollution and marine resources are also addressed. Interactive practices and lab activities will enhance learning and ensure a thorough understanding of marine science concepts and their applications.

SCIS Geology

COURSE NUMBER: SCISG

EMIS CODE: 134250

CREDIT: ½

In the SCI Marine Science (HS Elective) course, students will delve into subjects such as rocks and minerals, interactions of the Earth's spheres, oceans, lakes, and rivers, Earth's landscapes, layers of rock and geological time, the fossil record, fossils and extinction, tectonic plates, renewable and non-renewable resources, types of fossil fuels, the use of fossil fuels, nuclear energy, wind energy, hydroelectric energy, solar energy, geothermal energy, and innovations in energy resources. Throughout the course, students will explore the fascinating world of geology, gaining knowledge about rocks, minerals, landforms, fossil records, and the Earth's energy resources. They will also learn about environmental sustainability and the importance of renewable energy. By the end of the course, learners will have a solid understanding of geological concepts and develop their English language skills through studying and discussing geology-related topics.

AES DIGITAL CURRICULUM
Project Based Courses

AES Accounting

COURSE NUMBER: AESA

EMIS CODE: 030100

CREDIT: ¼

In AES Accounting (HS Elective), the student will cover fundamental accounting concepts, starting with key accounting terms and the role of accounting, and progressing through the accounting equation, recording transactions, and preparing trial and adjusted balances. Students also learn to create financial statements, perform closing entries, and utilize financial information. The following will be utilized in this course: Student Interactives using iCEV.com allow for students to get a deeper understanding of the course material.

AES Business Communication

COURSE NUMBER: AESBC

EMIS CODE: 030600

CREDIT: ¼

In AES Business Communication (HS Elective), students will learn to speak professionally in various situations and improve their listening skills through active listening. They will understand the purpose of verbal communication, recognize influencing factors, identify challenges to effective communication, and learn strategies to overcome them through reading, completing learning modules, and various assignments. The course utilizes iCEV.com, an interactive platform, to provide students with a premier learning experience.

AES Banking and Finance

COURSE NUMBER: AESBF

EMIS CODE: 030100

CREDIT: ¼

In AES Banking and Finance (HS Elective), the student will understand the fundamental concepts of banking and finance, starting with the basics of banking and the role of money. There is an in-depth look at credit and how it affects your life. The course also explores financial services and insurance and how credit cards are useful. iCEV.com is interactive for students throughout the course that allows students an in-depth look at all the content learned.

AES Business Law

COURSE NUMBER: AESBL

EMIS CODE: 030900

CREDIT: ¼

In AES Business Law (HS Elective), the student will explore essential legal principles relevant to business operations. It covers understanding the consequences of choices and progresses through exploring sources of law, the court system, and contractual obligations. Students study various business entities and the application of laws pertaining to property, agency, and torts. The course also examines the legislative process and analyzes current events in the context of business law. It culminates with an assessment to evaluate comprehension and application of these legal concepts. Interactive tools like iCEV.com will be utilized to enhance engagement and understanding, with comprehensive reviews at the end of each semester to solidify students' knowledge.

AES Coding Basics

COURSE NUMBER: AESCB

EMIS CODE: 299999

CREDIT: ¼

In AES Coding Basics (HS Elective), the student will be taught the power of coding. They will learn about the proper online etiquette and how to keep their information private. Students will have the ability to use Scratch to learn coding basics and see what their code creates. The course ends with creative projects using Scratch. This course will employ student interactive resources like Scratch and BrainPOP to enhance student engagement and comprehension, complemented by detailed reviews at the end of the semester to solidify their knowledge.

AES Career Development

COURSE NUMBER: AESCD

EMIS CODE: 030010

CREDIT: ¼

In AES Career Development (HS Elective), students receive a comprehensive guide to explore and plan their future careers. It covers career choices, key definitions, and the fundamentals of career planning. Students engage in self-assessment to identify their strengths and interests, explore various career options, and conduct in-depth research on potential career paths. The course focuses on the process of choosing a career, setting career goals, and defining specific objectives to achieve those goals. Through this structured approach, students gain the tools and knowledge necessary for informed career decision-making and short- and long-term goal-setting.

AES Coding Fundamentals

COURSE NUMBER: AESCF

EMIS CODE: 290200

CREDIT: ½

AES Coding Fundamentals (HS Elective) gives students access to essential coding concepts and skills. It covers algorithm creation, the basics of coding, and careers in the field. Students learn about the inner workings of code, write their first programs, and follow the programming process. Key topics include loops, conditions, events, variables, and operators. The course includes reviews of basic and advanced coding concepts, reflections on coding applications, and reinforcement of coding skills. Many of the lessons include mini-projects where students complete coding tasks using a drag/drop block coding language. Students also complete a current event report and an assessment to evaluate their understanding of coding taught throughout the semester.

AESCR Communications I

COURSE NUMBER: AESCRCI

EMIS CODE: 050545

CREDIT: ½

In AES Communications I (HS Elective), students cover essential aspects of public speaking, digital communication, and online etiquette. Students start by observing speeches and learning the basics of effective public speaking. They also learn about preparing, delivering, and refining speeches using presentation software. The course also addresses social media usage, digital footprints, and online safety and etiquette strategies. Additionally, students explore personal communication devices and cellular service basics and make informed choices about online security. The course uses iCEV.com for interactive assessments to evaluate students' public speaking skills and understanding of digital communication principles.

AES Customer Service

COURSE NUMBER: AESCS

EMIS CODE: 032800

CREDIT: ¼

In AES Customer Service (HS Elective), students are taught about the fundamentals of customer service, including its types, components of a customer service environment, differentiating between mass market, department store, and specialty customer service, and understanding its impact on organizational benefits, customer expectations, satisfaction, loyalty, retention, and the importance of owning mistakes for maintaining trust and reputation. It also emphasizes the importance of cultural sensitivity and awareness in customer interactions and conflict resolution. The course uses iCEV.com interactives to show real-life examples and simulations so that the students can understand proper behavior in customer service roles.

AES Computing Systems

COURSE NUMBER: AESCSY

EMIS CODE: 031700

CREDIT: ¼

In AES Computing Systems (HS Elective), students are taught the building blocks of technology and computers, including information processing, data storage, operating systems, and network computing. Students learn about public and home internet access, web browsers, email usage, and safe computing practices, with hands-on experience in connecting home computers and troubleshooting common issues. The course culminates in examining network investigations and current events in computing systems, preparing students for a final exam that assesses their understanding of computing fundamentals and practical skills. For an interactive activity, students are to find a recent relevant article and submit a report based on what they researched.

AES Critical Thinking

COURSE NUMBER: AESCT

EMIS CODE: 300010

CREDIT: ¼

In AES Critical Thinking (HS Elective), students work to enhance decision-making skills by teaching the importance and application of critical thinking. It covers the fundamentals of making decisions and the significance of critical thinking. The course progresses through detailed steps on thinking critically, breaking down and clarifying complex information, and analyzing it effectively. Students will learn to assess the value of information and follow a systematic critical thinking process. The course also covers logical fallacies, helping students identify and avoid common reasoning errors. The course concludes with an assessment to evaluate the critical thinking skills acquired. ICEV.com is used as an interactive activity to further enhance the student's skills learned.

AES Entrepreneurship

COURSE NUMBER: AESE

EMIS CODE: 141030

CREDIT: ¼

In AES Entrepreneurship (HS Elective), students are provided a comprehensive understanding of entrepreneurial concepts and practices. It covers learning about famous entrepreneurs and defining what an entrepreneur is. The course explores the path to entrepreneurship, recognizing opportunities, and understanding markets. Students will gain insights into identifying and serving customers, managing profit and loss, and effective planning. The course concludes with an assessment to evaluate the knowledge and skills acquired in entrepreneurship. The course uses iCEV.com interactives to allow students a better grasp of all aspects with entrepreneurship.

AES Google Docs

COURSE NUMBER: AESGD

EMIS CODE: 036000

CREDIT: ¼

In AES Google Docs (HS Elective), students receive a detailed guide to using this powerful document creation tool. The course includes a comprehensive tour of Google Docs and instructions on working with and formatting text. It covers essential tools such as cut, copy, and paste, as well as review and find and replace tools. There are two projects for students to create Docs from scratch to test what they've learned. The course concludes with an assessment to evaluate the skills and knowledge gained in using Google Docs effectively.

AES Google Forms

COURSE NUMBER: AESGF

EMIS CODE: 036000

CREDIT: ¼

In AES Google Forms (HS Elective), students will gain knowledge of how to maneuver Forms. The course includes a comprehensive tour of Google Forms and instructions on entering form questions. It covers adding multiple questions, creating sections, and form design. Additionally, students learn to create quiz forms, build order forms, and design guessing games. The course concludes with an assessment to evaluate the skills and knowledge gained in using Google Forms effectively. The course utilizes iCEV.com, an interactive platform, to provide students with a premier learning experience.

AES Google Sheets

COURSE NUMBER: AESGS

EMIS CODE: 036000

CREDIT: ¼

In the AES Google Sheets (HS Elective) course, students will gain a comprehensive understanding of how to use Google's spreadsheet tool. The course includes a tour of Google Sheets and instructions on selecting cells, rows, and columns, as well as entering data in a spreadsheet. It covers formatting cells, deleting and clearing cells, and using copy, cut, and paste functions. Additionally, students are introduced to formulas, cell references, and functions. Interactive resources such as iCEV.com will be used to boost engagement and comprehension, complemented by thorough reviews at the end of each semester to reinforce students' understanding. It integrates interactive tools from iCEV.com to foster active participation and deepen comprehension.

AES Google Slides

COURSE NUMBER: AESGSL

EMIS CODE: 036000

CREDIT: ¼

In the AES Google Sheets (HS Elective) course, students develop proficiency in utilizing this versatile presentation tool. The curriculum provides a thorough overview of Google Slides, emphasizing navigation and setup, along with essential presentation techniques. Students learn to apply various presentation themes to maintain visual consistency and utilize templates for efficient slide creation. Practical skills are honed by inserting and formatting text boxes, images, shapes, and Word Art. The course also guides students through techniques like copying, cutting, and pasting objects, culminating in a creative project where they create trading cards. This course utilizes interactive resources sourced from iCEV.com, promotes engagement, and enhances comprehension through active participation.

AES International Business

COURSE NUMBER: AESIB

EMIS CODE: 032300

CREDIT: ¼

In AES Accounting (HS Elective), the student will cover fundamental accounting concepts, starting with key accounting terms and the role of accounting, and progressing through the accounting equation, recording transactions, and preparing trial and adjusted balances. Students also learn to create financial statements, perform closing entries, and utilize financial information. The following will be utilized in this course: Student Interactives using iCEV.com allow for students to get a deeper understanding of the course material.

AES Job Seeking Skills

COURSE NUMBER: AESJSS

EMIS CODE: 030100

CREDIT: ¼

In AES Accounting (HS Elective), the student will cover fundamental accounting concepts, starting with key accounting terms and the role of accounting, and progressing through the accounting equation, recording transactions, and preparing trial and adjusted balances. Students also learn to create financial statements, perform closing entries, and utilize financial information. The following will be utilized in this course: Student Interactives using iCEV.com allow for students to get a deeper understanding of the course material.

AES Keyboarding

COURSE NUMBER: AESK

EMIS CODE: 299999

CREDIT: ¼

In the AES Keyboarding (HS Elective) course, students will learn about proper posture for sitting at a computer. By the end of the semester, students will have been taught how to maneuver all rows of a keyboard and their functions. This course is bolstered by interactive activities from iCEV.com so that students can master the repetition needed to master keyboarding.

AES Management

COURSE NUMBER: AESM

EMIS CODE: 02300

CREDIT: ¼

In the AES Management (HS Elective) course, students are provided a comprehensive introduction to the fundamental concepts and practices in workplace management. It defines management and explores the qualities of effective managers. Students learn about various organizational structures and delve into operations management, including optimizing processes and resources. The course covers human resource management, emphasizing recruitment, training, and employee relations. Situational management teaches adaptability in diverse scenarios, while navigating the global workforce addresses cultural competency and international business dynamics. The course incorporates interactive activities from iCEV.com to help students achieve proficiency in management through consistent practice.

AES Marketing

COURSE NUMBER: AESMK

EMIS CODE: 032300

CREDIT: ¼

In the AES Marketing (HS Elective) course, students will cover essential marketing topics, including logo recognition, product life cycle stages, and branding and packaging strategies. Students learn about market segmentation, the marketing mix, pricing, promotion, distribution, and content marketing, culminating in two reviews and a final exam. Emphasis is placed on building customer relationships, understanding marketing value and impact, and mastering content creation and distribution. The course utilizes engaging exercises from iCEV.com to ensure students develop marketing skills through regular practice.

AES Microsoft Office

COURSE NUMBER: AESMO

EMIS CODE: 036000

CREDIT: ¼

In the AES Microsoft Office (HS Elective) course, students receive an introduction with a tour of Microsoft Office, an overview of its applications, and instructions on managing files and folders. Students are tested with two quizzes throughout the semester. The course covers common Office features, such as the Ribbon, shortcuts, document navigation, dialog boxes, and printing, concluding with another quiz. Throughout the course, students are guided on how to get help within Office applications, and their overall knowledge is assessed with a final test. Interactive Activities from iCEV.com are used so that students can get hands-on practice with Microsoft Office products.

AES Professionalism

COURSE NUMBER: AESP

EMIS CODE: 032800

CREDIT: ¼

In the AES Professionalism (HS Elective) course, students are provided a deep exploration into essential topics such as presence, executive function, collaboration, and workplace integrity. Students engage in insightful discussions on who secures coveted job roles, gain valuable insights into legal and ethical responsibilities, and meticulously prepare for their dream careers. They are encouraged to reflect critically on real-world scenarios, fostering a profound understanding of professional conduct and culminating in a comprehensive assessment of their professionalism. The course leverages iCEV.com, an advanced interactive tool, to offer students an exceptional educational journey.

AES Public Speaking

COURSE NUMBER: AESPS

EMIS CODE: 050545

CREDIT: ¼

In the AES Public Speaking (HS Elective) course, students are guided through a comprehensive journey from observing speeches to mastering presentation skills. It begins with understanding the dynamics of effective speeches and progresses to preparation techniques and delivery strategies. Students learn to utilize presentation software effectively and engage in reflective exercises to refine their speaking abilities. The course culminates in assessing students' public speaking proficiency through practical assignments and assessments. The course also leverages iCEV.com, an interactive educational platform, to offer students an enriched and dynamic learning environment.

AES Public Speaking & Social Comm.

COURSE NUMBER: AESPSSC

EMIS CODE: 050545

CREDIT: ½

In the AES Public Speaking and Social Communication (HS Elective) course, students cover a comprehensive journey through public speaking and digital communication skills. Starting with understanding effective speech-watching techniques, students progress to learning the basics of public speaking, preparing and delivering speeches, and using presentation software. They reflect on their speech-making experiences and study exemplary speeches. The course then focuses on online social interaction, exploring social media platforms, managing digital footprints, and understanding personal communication devices, including cellular service basics and security considerations. In addition, the course utilizes iCEV.com, an interactive educational platform, to create a stimulating and dynamic learning atmosphere for students.

AES Social Communication

COURSE NUMBER: AESSC

EMIS CODE: 050545

CREDIT: ¼

In the AES Social Communication (HS Elective) course, students are provided a comprehensive introduction to navigating the digital landscape and engaging responsibly online. Students begin by exploring the fundamentals of social media, understanding their digital footprint, and learning essential strategies for personal online safety. They delve into the nuances of online communication through platforms like direct messaging and gain insights into personal communication devices, including the basics of cellular service and making informed security choices. Furthermore, the course harnesses iCEV.com, an engaging educational platform, to help students grasp the concepts taught.

AES Written Communication

COURSE NUMBER: AESWC

EMIS CODE: 050545

CREDIT: ¼

In the AES Written Communication (HS Elective) course, students cover essential aspects of written communication in a business context, starting with basic principles and tone. Students progress to practical skills, such as drafting business emails and letters, and apply these skills independently. It also includes reflections on written communication, analysis of current events, and a comprehensive exam to assess proficiency. The course employs iCEV.com, an interactive platform, to deliver students a top-tier educational experience.

AES Web Research

COURSE NUMBER: AESWR

EMIS CODE: 290130

CREDIT: ¼

In the AES Web Research (HS Elective) course, students become equipped with essential skills for navigating and utilizing the internet effectively. Beginning with understanding reliable resources and the structure of the World Wide Web, students progress through practical exercises like customizing browsers, mastering search techniques, and ethical use of information. They also explore advanced search strategies, bookmarking, and resolving web-related issues, culminating in assessments to evaluate their comprehension and skills in web research and information ethics. The interactive tool iCEV.com is used to increase engagement and comprehension with the source material.

SS AES Economics

COURSE NUMBER: SSAESECON

EMIS CODE: 150600

CREDIT: ½

In the SS AES Economics (HS Elective) course, students will be taught foundational concepts, including definitions, the nature of economics, money and pricing mechanisms, and market dynamics. Students explore supply and demand principles, distinguishing between macro and microeconomics, and learn the laws and curves that govern them. The course delves into different economic systems, evaluates their effectiveness, and examines the U.S. economy and productivity. Topics also include fostering economic growth, the role of the Federal Reserve, and a comprehensive review of economic principles and systems. Interactive learning is enhanced through iCEV.com, with a comprehensive semester exam ensuring a thorough understanding of economic concepts.

FINANCIAL LITERACY

BUS Financial Literacy

COURSE NUMBER: BUSFL BUSCRFL   BUSMFL   BUSSFL

EMIS CODE: 153001

CREDIT: ½

In the SS Financial Literacy (HS Elective) course, students will embark on a comprehensive exploration of essential financial principles and practices. From understanding the basics of financial literacy and setting personal financial goals to mastering budgeting and banking, students will gain practical skills to manage their finances effectively. They will delve into critical topics such as using credit wisely, building a strong credit history, and protecting their money from fraud and identity theft. Through interactive activities facilitated by platforms like Edpuzzle and Discovery Education, students will explore various facets of earning money, including careers, entrepreneurship, and wages. They will also learn about the importance of insurance, taxes, and consumerism, as well as making informed decisions when buying a car. The course culminates with an examination of investing and philanthropy, encouraging students to plan for their financial future. Emphasis will be placed on critical thinking, informed decision-making, and an appreciation for the complexities of financial management. Throughout the course, students will be prepared for real-world financial challenges and opportunities, empowering them to make sound financial decisions in their personal and professional lives.

SS Personal Finance

COURSE NUMBER: BUSPF BUSCRPF

EMIS CODE: 153001

CREDIT: ½

In the SS Personal Finance (Grade 12 Elective) course, students will embark on a comprehensive understanding of personal finance, equipping students with essential skills to manage their financial future effectively. Students will explore fundamental concepts such as distinguishing between wants and needs, understanding financial services, and leveraging mobile banking. The curriculum delves into earning potential, financing education, and preparing for the workforce. Key topics include navigating taxes, finding and managing savings, using credit wisely, and managing debt. Students will also learn to make major financial decisions, understand consumer rights, and strategies for growing and protecting their finances. The course includes periodic reviews to reinforce economic principles and ensure a thorough grasp of personal finance management.

CAREER TRAINING

CT Career Exploration

COURSE NUMBER: CTCE   CTCRCE

EMIS CODE: 300010

CREDIT: ½

In CT Career Exploration (HS Elective), students will take a pre-assessment to gauge initial knowledge. The course covers the roles of chefs or head cooks, landscape gardeners, registered nurses, and probation officers, focusing on literacy, math, and college and career readiness for each profession. Reflection through journaling is also emphasized for each role, allowing students to contemplate their learning and growth. The course concludes with a post-assessment to evaluate the knowledge and skills gained throughout. The following sites contain interactive activities that are used to enhance the students' knowledge: Brain Pop, Newsela, Ohio Means Jobs, SurveyMonkey, CareerOneStop, and Bureau of Labor Statistics.

CT Career Planning

COURSE NUMBER: CTCP

EMIS CODE: 300010

CREDIT: ½

In CT Career Planning (HS Elective), students will cover career preparation, starting with identifying interests and skills, and the importance of volunteering and networking. It includes conducting informational interviews, finding job openings, and essentials like applications, resumes, cover letters, and proofreading. Students learn to develop an elevator pitch, prepare for interviews, and handle post-interview steps. It also addresses job dissatisfaction, exploring entrepreneurship, avoiding candidate mistakes, and creating a professional portfolio. Interactive learning is enhanced through Discovery Education, ensuring a thorough understanding of career planning concepts.

CT Career Readiness

COURSE NUMBER: CTCR

EMIS CODE: 300010

CREDIT: ½

In CT Career Readiness (HS Elective), students cover fundamental skills essential for career success, including professionalism, teamwork, and critical thinking. It emphasizes traits like reliability, punctuality, and a strong work ethic as crucial for workplace effectiveness. Additionally, it addresses contemporary skills such as digital technology proficiency and global fluency, preparing students for diverse career opportunities. Students use Edpuzzle as a tool for interactive learning, ensuring comprehension of concepts related to career readiness.

CT Introduction to Oil and Gas

COURSE NUMBER: CTIOG   CTCRIOG

EMIS CODE: 300010

CREDIT: ¼

In CT Introduction to Oil and Gas (HS Elective), students will learn about various aspects of the oil and gas industry, starting with an introduction to its fundamentals. It explores how oil and gas are formed, their migration and trapping mechanisms, and the exploration process. The course also delves into drilling techniques, well stimulation, production methods, and transportation logistics. It discusses refining processes, the role of petrochemicals, and the final products derived from oil and gas. Lastly, it focuses on the specific context of oil and gas in Ohio, providing a comprehensive

overview of the industry from extraction to distribution. Throughout the course, students have access to YouTube videos that provide visual aids corresponding to their learning materials.

CT Marketing Basics

COURSE NUMBER: CTMB   CTCRMB

EMIS CODE: 300010

CREDIT: ½

In CT Marketing Basics (HS Elective), students study essential aspects of marketing, beginning with basics and planning, progressing through digital marketing strategies, branding, product development, and services marketing. It addresses marketing channels, customer satisfaction, supply chains, retail sales, and effective promotion strategies including advertising and social media marketing. The course emphasizes pricing strategies, customer relationship management, and insights into contemporary marketing practices.

CT Oilfield Basics

COURSE NUMBER: CTOB

EMIS CODE: 300010

CREDIT: 1

In CT Oilfield Basics (HS Elective), students are provided a comprehensive overview of the energy industry, covering topics from introduction and energy divisions to resource analysis, drilling operations, and well completions. It explores conventional versus unconventional reservoirs, drilling techniques, hydraulic fracturing, production processes, and midstream operations such as pipelines and brine disposal. Career advice and evolving trends in the oilfield industry are also highlighted, with insights into various career paths and the future of energy production. There are reviews throughout to test students' knowledge up to that point. The units are filled with YouTube videos from the creators of the course to add real-life examples to the material taught.

CT Ohio Means Jobs

COURSE NUMBER: CTOMJ

EMIS CODE: 300010

CREDIT: ¼

In CT Ohio Means Jobs (HS Elective), students will learn essential topics for successful employment readiness, including self-assessment of strengths and weaknesses, developing social skills, preparing for job searches, utilizing job search tools, navigating college and post-secondary training options, mastering job applications, honing interview preparation techniques, managing personal budgets, and employing life hacks for workplace success. Each unit is supplemented with a NextUp learning video designed to complement the textual content covered in the course.

CT Public Safety

COURSE NUMBER: CTPS   CTCRPS

EMIS CODE: 300010

CREDIT: ¼

In CT Public Safety Jobs (HS Elective), students will delve into various aspects of public safety, starting with an overview in "What is Public Safety?" It then explores the roles and responsibilities of a Police Officer, Firefighter, EMT/Paramedic, Probation Officer, Judge, Paralegal, and Park Ranger. The course culminates in a final exam to allow deeper research into one of the career paths the course covers to see if students would like that as a path for them.
The units contain YouTube videos from people in that career describing what their life is like.

CT Student Leadership

COURSE NUMBER: CTSL   SSSL

EMIS CODE: 300010

CREDIT: ½

In CT Student Leadership (HS Elective), students are offered a comprehensive guide to personal and leadership development. It begins with an overview and moves into self-awareness in "Know Thyself." Students learn to identify their assets and habits, cultivate leadership skills, and serve others. The course examines various leadership styles, including classical and shared leadership, emphasizing values, ethics, and effective communication. Additional topics include time management, wellness, stress management, goal setting, decision-making, problem-solving, team building, conflict management, and achieving success.

CT Study Skills

COURSE NUMBER: CTSS

EMIS CODE: 300010

CREDIT: ½

In CT Study Skills (HS Elective), students are provided essential study skills and strategies for academic success. It begins with an introduction to study skills, followed by managing study time and routines. It covers various note-taking strategies, including from textbooks and oral presentations. Test-taking strategies and an introduction to critical thinking are explored, along with using reference sources and remembering strategies. The course also delves into standardized test-taking techniques, building vocabulary through context clues, and culminates in preparing for finals. Interactive activities and Prezi slides enable students to create mock schedules for various academic situations.

CT Career Cluster Exploration I

COURSE NUMBER: CTEI

EMIS CODE: 300010

CREDIT: ½

In the CT Career Cluster (HS Elective) course, students will explore diverse career fields. The course begins with students utilizing Pathful to acquaint themselves with the course content. The course then focuses on architecture and construction, where students will explore career pathways and essential skills. The curriculum transitions to health science, offering insights into various career pathways and essential competencies. The course culminates with an examination of agriculture, food, and natural resources, providing students with foundational knowledge across these critical sectors.

SOCIAL EMOTIONAL LEARNING

SEL Highschool

COURSE NUMBER: SELHS

EMIS CODE: 093005

CREDIT: 1

In SEL High School (HS Elective), students delve into a structured exploration of emotions, beginning with identifying and understanding emotions and their triggers. The course advances to recognizing personal strengths, building support systems, and reflecting on personal progress. It emphasizes community support, self-responsibility, goal setting, self-advocacy, and self-management, fostering social engagement and self-awareness. Students develop life plans, set and support goals, and learn perseverance. The curriculum addresses social cues, respect, empathy, citizenship, and community service, while also tackling biases and cross-cultural understanding. Lessons cover social and cultural norms, relationship building, media use, and maintaining positive relationships. Civility, conflict resolution, responsible decision-making, stress management, ethical decision-making, and open-mindedness are integral parts of the program, ensuring a comprehensive approach to emotional and social education.

SEL Decision Making

COURSE NUMBER: SELDM

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students learn about the decision-making process and the importance of evaluating the consequences of their choices. They are also encouraged to select options that reflect long-range planning, core beliefs, and values. The course can be used in Grades 7-12.

SEL Honor Code

COURSE NUMBER: SELHC

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course students identify their unique talents, grow resilience in adversity, and build strong connections with others. The same skills students learn to discourage bullying today. EVERFI curriculum will be utilized in this course. This course can be used in Grades 7-12.

SEL Healthy Relationships

COURSE NUMBER: SELHR

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students examine both healthy and unhealthy relationships. There are tips on dealing with unhealthy relationships and making good relationships even better. The course can be used in Grades 7-12.

SEL Personal Wellness

COURSE NUMBER: SELPW

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students will learn evidence-informed content with engaging digital activities. By defining mental wellness and modeling positive behaviors, this online program teaches students the importance of paying attention to their mental health. EVERFI curriculum will be utilized in this course. The course can be used in Grades 7-12.

SEL Social Media Responsibility

COURSE NUMBER: SELSMR

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students will learn the stresses social media etiquette and offers numerous tips for staying safe while engaging with others online. Students are encouraged to be intel-ligent, alert, and kind when using social media websites. The course can be used in Grades 7-12.

SEL Teen Dating

COURSE NUMBER: SELTD

EMIS CODE: 093005

CREDIT: ¼

In this nine-unit course, students will learn that romantic relationships are major developmental milestones in the lives of teens. Students consider what they want in a dating relationship in this nine-unit course. The course also defines attraction, closeness, commitment, and abusive behavior. The course can be used in Grades 7-12.

FAMILY CONSUMER SCIENCE

FCS Child Development

COURSE NUMBER: FCSCD

EMIS CODE: 230200

CREDIT: ½

In this eighteen-unit course, students explore the various skills involved in parenting and consider whether they would like to become parents. The course examines the physical, emotional, moral, social, and intellectual development of a child, focusing on changes that occur during pregnancy. It also highlights career opportunities in child development, discussing the training required for these professions.

FCS Family Living

COURSE NUMBER: FCSFL   FCSCRFL

EMIS CODE: 230500

CREDIT: ½

In this eighteen-unit course, students prepare for life after high school by exploring housing choices, including renting and buying a home. The course covers setting up and managing a household, with a significant focus on food preparation and cooking skills. Students learn to budget, write checks, and handle consumer issues, while also developing decision-making and communication skills essential for managing finances and daily living.

FCS Human Growth & Development

COURSE NUMBER: FCSHGD

EMIS CODE: 230500

CREDIT: ½

In this eighteen-unit course, students explore the stages and aspects of human development from conception through late adulthood. The curriculum covers physical, emotional, social, and cognitive development, focusing on the significant milestones and changes at each stage of life. Topics include prenatal development, infancy, early childhood, middle childhood, adolescence, early adulthood, middle adulthood, and late adulthood. The course also delves into relevant theories, such as Erikson's psychosocial theory, and examines the risks and factors influencing development. An exam at the end of the course assesses the students' comprehensive understanding of human growth and development.

FINE ARTS

FA Art History

COURSE NUMBER: FAAH   FACRAH

EMIS CODE: 020101

CREDIT: ½

In FA Art History(HS Elective), students are shown an extensive overview of art history, starting with prehistoric art and progressing through significant periods and styles. It covers Hellenistic and early Christian art, early Islamic and Asian art, and the evolution of Italian art from its early stages to the High Renaissance. It examines the Northern Renaissance, Mannerism, Baroque art, Rococo, and Neoclassicism, as well as colonial American and Japanese art. The course explores the Romanticism and early 19th-century art movements, Realism, the Pre-Raphaelites, Impressionism, Symbolism, and Art Nouveau. It continues with early 20th-century art, Cubism, Futurism, Abstract art, and Surrealism, culminating in the study of Pollock, Pop art, new media, and includes a final exam to consolidate learning.

FA Renaissance Art

COURSE NUMBER: FARA

EMIS CODE: 029999

CREDIT: ½

In FA Renaissance Art (HS Elective), students explore the Renaissance period in art, starting with an overview and then examining pre-Renaissance art. It focuses on key figures such as Fra Angelico, Botticelli, Michelangelo, Raphael, and Leonardo da Vinci. The course covers the use of line, shape, form, color, value, and space by Renaissance artists, along with the architecture of Italy, including basilicas and cathedrals. It also discusses the materials and methods used by these artists, the broader world of the Renaissance, and the transition to the Baroque period, concluding with a look at artists influenced by the Renaissance.

FA Visual Arts

COURSE NUMBER: FAVAI

EMIS CODE: 020012

CREDIT: ½

In FA Visual Arts I (9-12 Elective), students will cover visual arts comprehensively, beginning with the elements of art and principles of design. It includes drawing basics, understanding space, observational skills, and the creative process. It explores two-dimensional and three-dimensional art, media art, and digital technology. The curriculum highlights personal expression, portfolios, art criticism, aesthetics, art history, and cultural influences. It also discusses community engagement, ethics, and careers in traditional and new media, such as digital art, animation, and graphic design. The course concludes with an emphasis on exhibitions, visual voices, a digital art portfolio project, and an assessment.

FAS Art Concepts

COURSE NUMBER: FASAC

EMIS CODE: 020101

CREDIT: ½

The course covers color theory, painting, drawing, digital animation, imagination, cinema, graphic design, traditional animation, portraiture, pop art, surrealism, impressionism, architecture, drawing to scale, sculpture, dance, theater, and composition. Throughout the course, students will explore different artistic concepts and techniques, gaining an appreciation for diverse art forms and styles. They will learn about the use of color, different mediums, and the creative process. Additionally, they will explore various art disciplines, including visual arts, performing arts, and digital arts. By the end of the course, learners will have an expanded understanding of art concepts and vocabulary and improved English language skills through studying and discussing artistic topics

FA Music Appreciation

COURSE NUMBER: FAMA   FACRMA   FASM

EMIS CODE: 120800

CREDIT: ½

In FA Music Appreciation (HS Elective), students are offered a thorough overview of music appreciation, starting with an introduction and covering significant periods such as the Renaissance, Baroque, Classical, and Romantic eras. It includes reviews and evaluations, and explores 20th-century music, jazz, American musical theater, and world music. The course also delves into rock and roll, examines careers in music, and culminates with a final exam to assess understanding and knowledge gained throughout the course.

FA History of Rock & Roll

COURSE NUMBER: FAHRR FACRHRR

EMIS CODE: 129999

CREDIT: ½

In FA History of Rock & Roll (9-12 Elective), students cover content on music vocabulary and the fundamentals of rock music, featuring influential figures such as James Brown, Elvis Presley, Stevie Wonder, Bob Dylan, Jimi Hendrix, and Kurt Cobain. It explores various genres and movements, including rockabilly, Motown, the British Invasion, folk rock, and psychedelic rock. The curriculum examines music from the 1960s through the 1990s, highlighting notable artists like Led Zeppelin, Michael Jackson, and Kurt Cobain. The course concludes with popular music and technology developments of the 21st century that allow greater access to music and a final exam to assess student's learning.

FA History of Jazz

COURSE NUMBER: FAHJ   FACRHJ

EMIS CODE: 129999

CREDIT: ½

In FA History of Jazz (9-12 Elective), students will learn all about jazz music, starting with key music vocabulary before diving into the evolution of jazz. It covers the origins of early jazz and highlights iconic figures such as Louis Armstrong and Duke Ellington. It explores various jazz styles, including the Big Band era, Bebop with artists like Dizzy Gillespie and Charlie Parker, Cool Jazz, and Free Jazz with John Coltrane. The curriculum also examines jazz fusion, modern jazz, and notable musicians like Miles Davis, Herbie Hancock, Trombone Shorty, and Wynton Marsalis. The course wraps up with a final exam to assess understanding. This course incorporates interactive activities from BrainPop to enhance student learning.

FA Music I

COURSE NUMBER: FAMI

EMIS CODE: 129999

CREDIT: 1

In FA Music I (9-12 Elective), students are offered a comprehensive journey through the history and development of music, beginning with an introduction to music appreciation. It covers significant periods and styles, from Renaissance and Baroque to Classical and Romantic music. The curriculum explores the evolution of music in the 20th century, jazz, American musical theater, and global music traditions. Students will learn about the foundations of rock and roll, influential artists such as James Brown, Elvis Presley, Stevie Wonder, Bob Dylan, Jimi Hendrix, and bands like Led Zeppelin. It also examines the music of the 1970s, 1980s, and 1990s, including the impact of Michael Jackson and Kurt Cobain, and discusses contemporary rock music. The course includes key music vocabulary, evaluations, and exams to assess and reinforce learning.

FA Music II

COURSE NUMBER: FAMII

EMIS CODE: 129999

CREDIT: 1

In FA Music II (9-12 Elective), students are provided with an in-depth exploration of music history and appreciation, starting with the fundamentals and key vocabulary. It examines the evolution of Western music, covering the Renaissance, Baroque, Classical, and Romantic periods, and moves into the music of the 20th century. The course delves into the history of jazz, tracing its development from early jazz and iconic figures like Louis Armstrong and Duke Ellington, through the Big Band era, Bebop, Cool Jazz, and into modern developments. It also explores music's global impact, rock and roll's rise, and influential artists across genres. Additionally, the course looks at the history of American musical theater, various careers in music, and includes periodic reviews, evaluations, and exams to ensure comprehensive understanding and retention.

FA Introduction to Theatre I

COURSE NUMBER: FAIT

EMIS CODE: 050600

CREDIT: ½

In FA Introduction to Theatre I (9-12 Elective), students will delve deeply into the world of theatre, exploring its origins and evolution. It examines theatre's role in society, the dynamics of its audiences, and the essential contributions of actors, directors, and playwrights. The curriculum covers both tragic and comedic forms, including musical theatre, and explores the technical aspects of staging such as sets, lighting, sound, costumes, and makeup. Students also learn about character development, the audition process, the role of producers, and the excitement of opening night. The course concludes with a final exam to assess understanding and retention of the material.

HEALTH

HE Health

COURSE NUMBER: HEH   HECRH   HES

EMIS CODE: 260101

CREDIT: ½

In this eighteen-unit course, students will gain a comprehensive understanding of human anatomy and health-related topics. The curriculum covers a wide range of subjects, including the structure and function of blood cells, the digestive system, bones, muscles, joints, the excretory system, the immune system, and the respiratory system. Additionally, students will explore lessons on alcohol and tobacco use, the effects of various drugs, and the impact of sexually transmitted diseases. The course also includes nutritional education, focusing on the nutritional value of food and understanding allergies. Practical lessons from the SAVE (Substance Abuse and Violence Education) program are integrated to enhance students' awareness and decision-making skills related to health and wellness.

HE Vaping

COURSE NUMBER: HEVAPING

EMIS CODE: 269999

CREDIT: 1/4

In HE Vaping (HS Elective), students explore various aspects of vaping, beginning with understanding the risks involved and progressing through strategies to empower themselves and others to live vape-free lives. The curriculum covers psychological and health-related insights, aiming to equip students with knowledge and tools to make informed decisions and advocate for healthier choices in their communities. EVERFI is an interactive tool for students to sharpen their knowledge learned throughout the course.

PHYSICAL EDUCATION

HEPE Physical Education

COURSE NUMBER: HEPE

EMIS CODE: 080300

CREDIT: ½

In In this eighteen-unit course, students will be introduced to the fundamentals and benefits of physical education. The curriculum emphasizes the importance of physical activity, fitness principles, and maintaining an active lifestyle. Students will learn about the essential nutrients their bodies need, the significance of safety during physical activities, and strategies for managing stress. The course also includes presentations on standard physical education guidelines and in-depth modules on substance abuse, such as AlcoholEdu and marijuana education. Through this course, students will develop a healthier understanding of their bodies, the impact of exercise, and the choices that contribute to overall wellness.

HEPE Summer PE

COURSE NUMBER: HEPES

EMIS CODE: 080300

CREDIT: ½

In HE Summer PE (HS Elective), students In the Physical Education curriculum, students embark on a comprehensive journey through various aspects of physical activity and wellness. Beginning with an introduction to the fundamentals and benefits of physical activity, the course progresses to explore fitness principles, exercise techniques, and strategies for maintaining a healthy lifestyle. It includes presentations on standards related to physical education, addresses nutrition essentials, safety practices, stress management, and covers specialized topics such as alcohol education and marijuana facts and laws. Each unit culminates in assessments to gauge understanding, supplemented by interactive resources to enrich learning experiences. Interactive activities by LearningApps, Edpuzzle, and FitBoost allow students to learn more about healthy habits as well as in-place body workouts for the students to do.

TECHNOLOGY

TECH Esports

COURSE NUMBER: TECHESPORTS

EMIS CODE: 299999

CREDIT: ½

In TECH Esports (HS Elective), students are offered a comprehensive introduction to the world of esports, examining its history, evolution, notable games, and career opportunities within the industry. Students will delve into the technological advancements that have shaped competitive gaming, explore popular titles such as League of Legends, Overwatch, and Fortnite, and analyze the emergence of traditional games like chess as esports. Through a series of units, learners will gain a deeper understanding of the mechanics, strategies, and community aspects that define competitive gaming today. Whether you're a novice curious about esports or an enthusiast looking to deepen your knowledge, this course provides a structured journey through the exciting realm of professional gaming. Each unit includes resources to facilitate further exploration of the game highlighted.

TECH Play of the Day

COURSE NUMBER: PLAYOFTHEDAY

EMIS CODE: 299999

CREDIT: ½

In this is thirty-six-unit course created by Harry Vande Velde, owner of the Springboard series of modules, students go through daily exercises about motivational quotes. The module includes biographies of the people who made the quotes, as well as ways the quotes can be applicable to goal setting.

TECH Computer Science Foundations

COURSE NUMBER: TECHCFS

EMIS CODE: 036000

CREDIT: 1

In this thirty-six-unit course, students will explore the foundational concepts of computer science and digital literacy. The curriculum covers a wide range of topics, including digital responsibility, online safety, and cybersecurity. Students will learn about the various aspects of technology and computers, such as information processing, data storage, and operating systems. The course also delves into network computing, internet access, web browsers, email, and safe computing practices.

Special topics like the NOVA Cybersecurity Lab and basic data cleaning in Python provide students with hands-on experience in crucial areas. Additionally, the curriculum includes units on coding, the programming process, and simple algorithms. Students will gain practical skills through activities like customizing a browser, bookmarking, and advanced search techniques. Ethical use of information and understanding copyright are also emphasized. The course concludes with a comprehensive assessment to evaluate students' knowledge and skills in web research and computer science fundamentals.

TECH Digital Civics

COURSE NUMBER: TECHDCV

EMIS CODE: 299999

CREDIT: ½

In this eighteen-unit course, students will explore the crucial aspects of digital citizenship and responsible online behavior. The curriculum begins with understanding one's digital footprint and the differences between digital and physical communication. Students will examine the impact of social media on digital reputation and learn about the challenges of cyberbullying and trolling.

The course covers making friends online, managing screen time, and the implications of sharing online images. Students will delve into plagiarism, disinformation, misinformation, clickbait, and sponsored content, understanding their effects on digital interactions. Additional units focus on recognizing and avoiding spam, creating strong passwords, and safely using public Wi-Fi. The curriculum also addresses online scams, personal data and cookies, and the ethical considerations of AI and intellectual property. This comprehensive course prepares students to navigate the digital world with awareness and responsibility.

TECH Cybersecurity

COURSE NUMBER: TECHCYBER

EMIS CODE: 299999

CREDIT: ½

In this eighteen-unit course, students will gain a comprehensive understanding of cybersecurity principles and practices. The curriculum covers essential topics such as personal identifiable information, online safety, and authentication. Students will learn about protecting their digital footprint, understanding online threats and vulnerabilities, and implementing defense in depth strategies.

The course also explores the protection of connected devices and the importance of safeguarding people, places, and things in the digital world. Students will examine how companies gather data, the various online risks, and the methods for phishing prevention. Key units focus on the many faces of data, building and managing passwords for security, and controlling online risks. The course culminates with an assessment of risk and an exploration of potential careers in cybersecurity, preparing students for a future in this critical field.

WORLD LANGUAGE

LANG Spanish I

COURSE NUMBER: LANGSI

EMIS CODE: 060265

CREDIT: 1

In this course consisting of thirty-six units, students develop knowledge and skills to begin communicating in the target language. They speak, listen to, read, and write the language in short sentences and paragraphs that contain the learned vocabulary words and phrases. Students also gain insight into the target culture by examining literature, music, laws, foods, values, traditions, and behaviors.

LANG Spanish II

COURSE NUMBER: LANGSII

EMIS CODE: 060265

CREDIT: 1

In this course consisting of thirty-six units, students participate in simple, conversational situations using sentences and groups of sentences. They create the target language by combining and recombining learned phrases and words. Students write simple messages, read texts dealing with familiar topics, and understand the main ideas when listening to conversations dealing with familiar topics or themes. Students also gain awareness, understanding of, and appreciation for cultural contributions made by people of the target language.

LANG Spanish III

COURSE NUMBER: LANGSI

EMIS CODE: 060265

CREDIT: 1

This course, consisting of thirty-six units, is offered to students interested in pursuing greater fluency in reading, writing, speaking, and understanding the target language. The students are required to recall previously learned words and phrases and to build upon them as they learn to create more native-like writing and conversation. This course also continues a more intense study of grammar and appreciation for cultural contributions made by people of the target language.

LANG Spanish IV

COURSE NUMBER: LANGSI

EMIS CODE: 060265

CREDIT: 1

This course, consisting of thirty-six units, is offered to those students interested in becoming proficient in reading, writing, speaking, and understanding the target language. The students are required to review all grammatical structure and to recall previously learned vocabulary. They strive for a native-like, proficiency level, and continue a more intense study of cultural aspects, including art and literature. Students demonstrate their understanding of and appreciation for these cultural works by discussing them in the target language.

LANG French I

COURSE NUMBER: LANGFI

EMIS CODE: 060230

CREDIT: 1

In this course consisting of thirty-six units, students develop the knowledge and skills to begin communicating in the target language. They speak, listen, read, and write the language in short sentences and paragraphs that contain the learned vocabulary, words, and phrases. Students also gain insight into the target culture by examining literature, music, laws, foods, values, traditions, and behaviors.

LANG French II

COURSE NUMBER: LANGFII

EMIS CODE: 060230

CREDIT: 1

In this course consisting of thirty-six units, students participate in simple, conversational situations using sentences and groups of sentences. They create the target language by combining and recombining learned phrases and words. Students write simple messages, read texts dealing with familiar topics, and understand the main ideas when listening to conversations dealing with familiar topics or themes. Students also gain an awareness and understanding of, and appreciation for, cultural contributions made by people of the target language.

LANG French III

COURSE NUMBER: LANGFIII

EMIS CODE: 060230

CREDIT: 1

In this course consisting of thirty-six units, students initiate and sustain conversations by making statements, asking questions, and giving appropriate responses. They communicate using correct time frames on everyday topics, both orally and in writing. When writing, students compose cohesive paragraphs related to familiar topics and personal experiences. Students develop an understanding of main ideas and significant details in extended discussions and presentations, both live and recorded. They acquire new knowledge and information from texts, including short literary texts and media. Students continue to expand their knowledge and under-standing of the cultural significance of the target language.

LANG French IV

COURSE NUMBER: LANGFIV

EMIS CODE: 060230

CREDIT: 1

In this course consisting of thirty-six units, students speak and write in French. They learn to initiate, sustain, and bring to closure a wide variety of communicative tasks using appropriate time frames. They expand comprehension skills that allow them to acquire knowledge and information from authentic texts, including literary texts and media. Students continue to develop insight into the nature of the French language and culture.

LANG American Sign Language I

COURSE NUMBER: LANGSI

EMIS CODE: 061050

CREDIT: 1

In this course consisting of thirty-six units, students are introduced to the skills needed to communicate effectively in the target language. Students gain knowledge and understanding of vocabulary, grammar structure, and other ASL language features. They also acquire the basic skills necessary to carry on simple conversations in the target language.

LANG American Sign Language II

COURSE NUMBER: LANGSI

EMIS CODE: 061050

CREDIT: 1

In this course consisting of thirty-six units, students continue to develop basic conversational skills, to improve their receptive and expressive abilities and to expand their vocabulary in the target language. They add new concepts to their basic knowledge of the fundamentals of the language and strengthen their cultural awareness.

MISCELLANEOUS

NextUp 2023-24

COURSE NUMBER: NEXTUP23

EMIS CODE: 300010

CREDIT: 1

Transition curriculum for your teachers and students. NextUp can help improve results and prepare students for employment success in a fun and engaging way. NextUp offers: 36-weekly video lesson, customizable lesson plans and activities, assessments, LMS compatibility, and compliance.

NextUp 2024-25

COURSE NUMBER: NEXTUP24

EMIS CODE: 300010

CREDIT: 1

Transition curriculum for your teachers and students. NextUp can help improve results and prepare students for employment success in a fun and engaging way. NextUp offers: 36-weekly video lesson, customizable lesson plans and activities, assessments, LMS compatibility, and compliance.

IXL

COURSE NUMBER: IXL

EMIS CODE:300030

CREDIT: 1

With Progress Monitoring Diagnostics, teachers get an inside look at their students' progress through an intuitive set of reports. The system identifies trouble spots, enabling teachers to create instructional groups for students who are struggling with similar problem types. ** IXL meets the criteria for Tier 1 evidence-based interventions set by ESSA.

ACT Prep

COURSE NUMBER: ACTPREP

EMIS CODE: 300030

CREDIT: ½

This course consists of thirty-six units and is designed to prepare students to take the ACT test. The textbooks, Essential Skills Required for College and Career Readiness Student Text, 13th Edition and Victory for the ACT Test, 13th Edition from Cambridge Educational Services, need to be purchased by school or student.

ACT WorkKeys

COURSE NUMBER: ACTWORKKEYS

EMIS CODE: 300030

CREDIT: ½

In this course consisting of thirty-six units, students develop knowledge and skills to begin communicating in the target language. They speak, listen to, read, and write the language in short sentences and paragraphs that contain the learned vocabulary words and phrases. Students also gain insight into the target culture by examining literature, music, laws, foods, values, traditions, and behaviors.

GED Language Arts

COURSE NUMBER: GEDLA

EMIS CODE: 300030

CREDIT: 1

This course is specifically designed to prepare students for the Language Arts portion of the GED (General Education Development) test. The course consists of 36 units covering a wide range of language arts topics and skills necessary for success on the exam. The units cover areas such as word parts, context clues, commonly confused words, author's purpose, author's point of view, theme, tone and mood, setting, reading skills assessment, subjects and predicates, fragments and run-ons, active and passive voice, verb tense, capitalization, punctuation, transitional words, commas, grammar skills assessment, main ideas, and details, summarizing, fact and opinion, sequence, cause, and effect, compare and contrast, problem and solution, classification, inference, fiction and non-fiction, and various informational topics in science, social studies, and the workplace. The course provides comprehensive coverage of the language arts skills necessary for success on the GED exam. Students will develop a solid foundation in reading comprehension, grammar, writing, and critical thinking by completing the course. They will also have the necessary skills to analyze and interpret various texts. The course culminates with a GED Language Arts Exam unit to assess students' readiness for the exam.

GED Math

COURSE NUMBER: GEDMATH

EMIS CODE: 300030

CREDIT: 1

The course "GED Math" is designed to prepare students for the Math portion of the GED (General Education Development) test. The course consists of 36 units covering a comprehensive range of math topics and skills necessary for success on the exam. The units are divided into three sections: Basic Math, Basic Algebra, Geometry Plus, and Graphs and Functions. In the Basic Math section, students will cover lessons on various foundational math topics, including arithmetic operations, fractions, decimals, percentages, and basic equations. The Basic Algebra section focuses on algebraic concepts such as variables, expressions, equations, inequalities, and systems of equations. The Geometry Plus section delves into geometric principles, including angles, lines, polygons, congruence, and area and volume calculations. The Graphs and Functions section introduces students to graphing techniques, linear and quadratic functions, and the interpretation of graphs. By completing the course, students will develop a solid foundation in essential math skills and concepts required for success on the GED Math exam. The course provides comprehensive coverage of the math topics tested on the exam, and students can apply their knowledge through practice exercises and assessments. The course culminates with two GED Math Exam units to assess student's readiness for the exam.

GED Science

COURSE NUMBER: GEDSCI

EMIS CODE: 300030

CREDIT: ½

The course "GED Science" is designed to prepare students for the Science portion of the GED (General Education Development) test. The course consists of 18 units covering various life science, physical science, and Earth science topics. The life science units explore the muscular and nervous systems, respiratory, skeletal, and digestive systems, cells, cell theory, organelles, genetics, ecosystems, and biodiversity. These units provide an understanding of the human body, cellular structure, genetic inheritance, and ecosystem interrelationships. The physical science units cover atoms, matter, the metric system, energy, electricity, magnetism, motion, waves, and light. These units introduce students to fundamental concepts in chemistry and physics, including the building blocks of matter, energy transformations, and the properties of waves and light. The Earth science units focus on galaxies and the water cycle, providing insights into celestial structures, the Earth's water cycle, and its importance to the planet's ecosystem.

Completing the course, students will gain a solid foundation in the scientific principles and concepts necessary for success on the GED Science exam. The course includes assessments to gauge understanding and reinforce learning. The course culminates with the GED Earth and Physical Science Test unit, allowing students to assess their readiness for the exam.

GED Social Studies

COURSE NUMBER: GEDSS

EMIS CODE: 300030

CREDIT: 1

This course is designed to prepare students for the Social Studies portion of the GED (General Education Development) test. The course consists of 36 units, covering a wide range of history, government, economics, and geography topics. The history units delve into key moments in American history, including the American Revolution, influential documents shaping the government, westward expansion, slavery, the causes of the American Civil War, and the post-war reconstruction period. The government units cover topics such as the sovereign state, the origin of the United States Constitution, the branches of government, the Bill of Rights, the separation of powers, political parties, elections, and interest groups. The economics units explore economic systems, supply and demand, trade, gross domestic product, time poverty, capitalism, communism, socialism, and trade wars. The geography units focus on urban, suburban, and rural areas, map skills, and the five themes of geography, human-environment interaction, and migration. By completing the course, students will gain a comprehensive understanding of key social studies concepts and develop the skills necessary to analyze historical events, comprehend governmental structures, evaluate economic systems, and interpret geographic information. The course culminates with the GED Social Studies Test unit, allowing students to assess their readiness for the exam.

MODIFIED COURSES

English Language Arts

ELAM English 9

ELAM English 10

ELAM English 11

ELAM English 12

Math

MATHM Algebra I

MATHM Geometry

MATHM Algebra II

MATHM Consumer Math

Science

SCIM Biology

SCIM Chemistry

SCIM Environmental Science

SCIM Physical Science

Social Studies

SSM American Government

SSM American History

SSM Economics

SSM Financial Literacy

SSM World History

SPANISH-LANGUAGE COURSES

English Language Arts

ELAS English 9

ELAS English 10

ELAS English 11

ELAS English 12

Math

MATHS Geometry

MATHS Math 9

MATHS Math 10

MATHS Math 11

MATHS Math 12

MATHS Intervention Math

MATHS Integrated Math

MATHS Math III

Social Studies

SSS World History

SSS American History

SSS American Government

SSS Financial Literacy

SSS Student Leadership

SSS Economics

Science

SCIS Forensic Science

SCIS Geology

SCIS Environmental Science

SCIS Biology

Health

HES Health

HEPES Physical Education

Art

FAS Art Concepts

Music

FAS Music

REMEDIAL COURSES

ELA Remedial English II

COURSE NUMBER: ELAREII

EMIS CODE: 050170

CREDIT: ½

MATHR Algebra I

COURSE NUMBER: MATHRAI

EMIS CODE: 110301

CREDIT: 1

ADDITIONAL RESOURCES

Additional Cost

Adult Education / CEU Courses

JCESC Adult Education/CEU program offers a different way of learning from the traditional classroom setting. All courses are entirely ONLINE, enabling teachers and working adults the flexibility to do their coursework while successfully maintaining their busy schedule.

NextUp

Transition curriculum for your teachers and students. NextUp can help improve results and prepare students for employment success in a fun and engaging way. NextUp offers: 36-weekly video lesson, customizable lesson plans and activities, assessments, LMS compatibility, and compliance.

IXL Progress Monitoring Diagnostics

With Progress Monitoring Diagnostics, teachers get an inside look at their students' progress through an intuitive set of reports. The system identifies trouble spots, enabling teachers to create instructional groups for students who are struggling with similar problem types. ** IXL meets the criteria for Tier 1 evidence-based interventions set by ESSA.

Instructional Growth

Simplify your Multi-Tiered System of Supports (MTSS) with our comprehensive Instructional Growth Seminars and Support. Our systematic process is designed to enhance instructional practices through strategic planning, professional development, and ongoing assessment. Additionally, tools and checklists are provided, including an Instructional Growth Livebinder with updated resources, digital Standard Maps for aligning instruction to state expectations, and checklists for targeted instruction, formative assessment, and timely interventions.

VLA COURSE LIST

The following pages reflect the VLA courses offered with the recommended grade level (course) and EMIS code, VLA Course Number, VLA Course Name, and total units in the course.

If you have any questions please contact vla@jcesc.org or 740-283-3347

English Language Arts				
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**	**Total Units**
Kindergarten	**ELA00**	**ELA English K**	**050152**	36
1st Grade	**ELA01**	**ELA English 110**	**050152**	36
2nd Grade	**ELA02**	**ELA English 120**	**050152**	36
3rd Grade	**ELA03**	**ELA English 130**	**050152**	36
4th Grade	**ELA04**	**ELA English 140**	**050154**	36
5th Grade	**ELA05**	**ELA English 150**	**050154**	36
6th Grade	**ELA06**	**ELA English 160**	**050154**	36
7th Grade	**ELA07**	**ELA English 170**	**050156**	36
Credit Recovery	*ELACR07*	*ELACR English 170*	**050156**	36
8th Grade	**ELA08**	**ELA English 180**	**050156**	36
Credit Recovery	*ELACR08*	*ELACR English 180*	**050156**	36
9th Grade	**ELA09**	**ELA English 9**	**050160**	36
Credit Recovery	*ELACR09*	*ELACR English 9*	**050160**	36
Modified	*ELAM09*	*ELAM English 9*	**050160**	36
Spanish Version	*ELAS09*	*ELAS English 9*	**050160**	36
10th Grade	**ELA10**	**ELA English 10**	**050160**	36
Credit Recovery	*ELACR10*	*ELACR English 10*	**050170**	36
Modified	*ELAM10*	*ELAM English 10*	**050170**	36
Spanish Version	*ELAS10*	*ELAS English 10*	**050170**	36
Remedial	*ELAREII*	*ELA Remedial English II*	**050170**	36
11th Grade	**ELA11**	**ELA English 11**	**050180**	36
Credit Recovery	*ELACR11*	*ELACR English 11*	**050180**	36
Modified	*ELAM11*	*ELAM English 11*	**050180**	36
Spanish Version	*ELAS11*	*ELAS English 11*	**050180**	36
12th Grade	**ELA12**	**ELA English 12**	**050190**	36
Credit Recovery	*ELACR12*	*ELACR English 12*	**050190**	36
Modified	*ELAM12*	*ELAM English 12*	**050190**	36
Spanish Version	*ELAS12*	*ELAS English 12*	**050190**	36
Practical English	*ELAP*	*ELAP Practical English*	**050190**	36

English High School Electives				
Short Stories Part 1	ELASSI	ELA Short Stories I	059999	18
Credit Recovery	*ELACRSSI*	*ELACR Short Stories I*	059999	18
Short Stories Part 2	ELASSII	ELA Short Stories II	059999	18
Greek Mythology	ELAGM	ELA Greek Mythology	059999	18
Roman Mythology	ELARM	ELA Roman Mythology	059999	18
Poetry	ELAP	ELA Poetry	059999	18

MATH					
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**	**Total Units**	
Kindergarten	MATH00	MATH Math K	110003	36	
1st Grade	MATH01	MATH Math 110	110003	36	
2nd Grade	MATH02	MATH Math 120	110003	36	
3rd Grade	MATH03	MATH Math 130	110003	36	
4th Grade	MATH04	MATH Math 140	110150	36	
5th Grade	MATH05	MATH Math 150	110150	36	
6th Grade	MATH06	MATH Math 160	110150	36	
7th Grade	MATH07	MATH Math 170	110175	36	
Credit Recovery	*MATHCR97*	*MATHCR Math 170*	110175	36	
8th Grade	MATH08	MATH Math 180	110175	36	
Credit Recovery	*MATHCR08*	*MATHCR 180*	110175	36	
Algebra I	**MATHAI**	**MATH Algebra I**	**110301**	36	
Credit Recovery	*MATHCRAI*	*MATHCR Algebra I*	110301	36	
Modified	*MATHMAI*	*MATHM Algebra I*	110301	36	
Spanish Version	*MATHS09*	*MATHS Math 9*	110301	36	
Foundations	*MATHFAI*	*MATHF Foundations of Algebra*	110301	36	
College Prep	*MATHCPAI*	*MATHCP Algebra I*	110301	36	
Remedial	*MATHRAI*	*MATHR Algebra I*	110301	36	
Integrated Math I	**MATHIMI**	**MATH Integrated Math I**	**110010**	36	
Geometry	**MATHG**	**MATH Geometry**	**111200**	36	
Credit Recovery	*MATHCRG*	*MATHCR Geometry*	111200	36	
Modified	*MATHMG*	*MATHM Geometry*	111200	36	
Spanish Version	*MATHS10*	*MATHS Math 10*	111200	36	
Spanish Version	*MATHSG*	*MATHS Geometry*	111200	36	
College Prep	*MATHCPG*	*MATHCP Geometry*	111200	36	
Integrated Math II	**MATHIMII**	**MATH Integrated Math II**	**110020**	36	
Credit Recovery	*MATHCRIMII*	*MATHCR Integrated Math II*	110020	36	
Algebra II	**MATHAII**	**MATH Algebra II**	**110302**	36	
Credit Recovery	*MATHCRAII*	*MATHCR Algebra II*	110302	36	
Modified	*MATHMAII*	*MATHM Algebra II*	110302	36	
Spanish Version	*MATHS11*	*MATHS Math 11*	110302	36	
College Prep	*MATHCPAII*	*MATHCP Algebra II*	110302	36	

Data Science Foundation	**MATHDSF**	**MATH Data Science Foundation**	**119980**	36	
Integrated Math III	**MATHIMIII**	**MATH Integrated Math III**	**110030**	36	
Credit Recovery	*MATHCRIMIII*	*MATHCR Integrated Math III*	110030	36	
High School 4th Year Math Credit					
Modeling & Reasoning	**MATHMR**	**MATH Modeling & Reasoning**	**111350**	36	
Advanced Math	**MATHAM**	**MATH Advanced Math**	**110099**	36	
Calculus	MATHC	MATH Calculus	**110099**	36	
Modified Consumer Math	**MATHMCM**	**MATHM Consumer Math**	**110099**	36	
Math 12 Spanish Version	**MATHS12**	**MATHS Math 12**	**119999**	36	
~~Business Math - Part 1~~	~~MATHBMI~~	~~MATH Business Math I~~	~~110099~~	~~Retired Course~~	
~~Credit Recovery~~	~~MATHCRBMI~~	~~MATHCR Business Math I~~	~~110099~~	~~Retired Course~~	
~~Business Math - Part 2~~	~~MATHBMII~~	~~MATH Business Math II~~	~~110099~~	~~Retired Course~~	
~~Credit Recovery~~	~~MATHCRBMII~~	~~MATHCR Business Math II~~	~~110099~~	~~Retired Course~~	
Financial Math	MATHFM	MATH Financial Math	110099	36	**New Course**
Intervention Math	MATHIM	Math Intervention Math	111950	36	
Credit Recovery	MATHCRIM	MATHCR Intervention Math	111950	36	
~~Applications of Math~~	~~MATHAPPM~~	~~MATH Applications of Math~~	~~119999~~	~~Retired Course~~	
~~Credit Recovery~~	~~MATHCRAPPM~~	~~MATHCR Applications of Math~~	~~119999~~	~~Retired Course~~	

Science					
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**	**Total Units**	
Kindergarten	**SCI00**	**SCI Science K**	**132110**	36	
1st Grade	**SCI01**	**SCI Science 110**	**132110**	36	
2nd Grade	**SCIO2**	**SCI Science 120**	**132110**	36	
3rd Grade	**SCI03**	**SCI Science 130**	**132110**	36	
4th Grade	**SCIO4**	**SCI Science 140**	**132120**	36	
5th Grade	**SCI05**	**SCI Science 150**	**132120**	36	
6th Grade	**SCI06**	**SCI Science 160**	**132120**	36	
7th Grade	**SCI07**	**SCI Science 170**	**132130**	36	
Credit Recovery	*SCICR07*	*SCICR Science 170*	**132130**	36	
8th Grade	**SCI08**	**SCI Science 180**	**132130**	36	
Credit Recovery	*SCICR08*	*SCICR Science 180*	**132130**	36	
Physical Science	**SCIPS**	**SCI Physical Science**	**132220**	36	
Credit Recovery	*SCICRPS*	*SCICR Physical Science*	**132220**	36	
Modified	*SCIMPS*	*SCIM Physical Science*	**132220**	36	
Spanish Version	*SCISPS*	*SCIS Physical Science*	**132220**	36	
Biology	**SCIB**	**SCI Biology**	**132330**	36	
Credit Recovery	*SCICRB*	*SCICR Biology*	**132330**	36	
Modified	*SCIMB*	*SCIM Biology*	**132330**	36	
Spanish Version	*SCISB*	*SCIS Biology*	**132330**	36	
College Prep	*SCICPB*	*SCICP Biology*	**132330**	36	
Chemistry	**SCIC**	**SCI Chemistry**	**130301**	36	
Credit Recovery	*SCICRC*	*SCICR Chemistry*	**130301**	36	
Modified	*SCIMC*	*SCIM Chemistry*	**130301**	36	
Environmental Science	SCIES	SCI Environmental Science	132350	**Retired Course**	
Credit Recovery	*SCICRES*	*SCICR Environmental Science*	132350	**Retired Course**	
Environmental Science	**SCIESES**	**SCI Environmental Science**	**132350**	36	**New Course**
Modified	*SCIMES*	*SCIM Environmental Science*	**132350**	36	
Spanish Version	*SCISES*	*SCIS Environmental Science*	**132350**	36	

High School Electives					
Forensics - Part 1	**SCIFI**	**SCI Pathway to Forensic Science (I)**	**139997**	18	
Credit Recovery	SCICRFI	SCICR Pathway to Forensic Science (I)	**139997**	18	
Forensics - Part 2	**SCIFII**	**SCI Forensic Science (II)**	**139997**	18	
Credit Recovery	*SCICRFII*	*SCICR Forensic Science (II)*	**139997**	18	
Spanish Version	*SCISFS*	*SCIS Forensic Science*	**139997**	18	
~~Marine Biology~~	~~SCIMAR~~	~~SCI Marine Biology~~	~~139998~~	~~Retired Course~~	
~~Credit Recovery~~	~~SCICRMB~~	~~SCICR Marine Biology~~	~~139998~~	~~Retired Course~~	
Marine Science	**SCIMS**	**SCI Marine Science**	**139998**	18	**New Course**
Medical Terminology (Intro)	**SCIMT**	**SCI Medical Terminology**	**131050**	18	
Credit Recovery	*SCICRMT*	*SCICR Medical Terminology*	**131050**	18	
Medical Terminology (Advance)	**SCIMTII**	**SCI Medical Terminology II**	**131050**	18	**New Course**
Science 12 Spanish Version	**SCISG**	**SCIS Geology**	**134250**	18	
Conservation Science	SCICS	**SCI Conservation Science**	**139997 or 139998**	36	**New Course**
Physics	**SCIP**	**SCI Physics**	**130302**	36	

Social Studies					
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**	**Total Units**	
Kindergarten	**SS00**	**SS Social Studies K**	**151209**	36	
1st Grade	**SS01**	**SS Social Studies 110**	**151209**	36	
2nd Grade	**SS02**	**SS Social Studies 120**	**151209**	36	
3rd Grade	**SS03**	**SS Social Studies 130**	**151209**	36	
4th Grade	**SS04**	**SS Social Studies 140**	**151210**	36	
5th Grade	**SS05**	**SS Social Studies 150**	**151210**	36	
6th Grade	**SS06**	**SS Social Studies 160**	**151210**	36	
7th Grade	**SS07**	**SS Social Studies 170**	**151201**	36	
Credit Recovery	*SSCR07*	*SSCR Social Studies 170*	**151201**	36	
8th Grade	**SS08**	**SS Social Studies 180**	**151201**	36	
Credit Recovery	*SSCR08*	*SSCR Social Studies 180*	**151201**	36	
American History	**SSAH**	**SS American History**	**150810**	36	
Credit Recovery	*SSCRAH*	*SSCR American History*	**150810**	36	
Modified	*SSMAH*	*SSM American History*	**150810**	36	
Spanish Version	*SSSAH*	*SSS American History*	**150810**	36	
American Government I	**SSAGI**	**SS American Government (I)**	**150300**	18	
Credit Recovery	*SSCRAGI*	*SSCR American Government (I)*	**150300**	18	
Modified	*SSMAG*	*SSM American Government*	**150300**	18	
Spanish Version	*SSSAG*	*SSS American Government*	**150300**	18	
Government & Politics II	**SSGPII**	**SS Government & Politics (II)**	**150300**	18	
Credit Recovery	*SSCRGPII*	*SSCR Government & Politics (II)*	**150300**	18	
World History	**SSWH**	**SS World History**	**150890**	36	
Credit Recovery	*SSCRWH*	*SSCR World History*	**150890**	36	
Modified	*SSMWH*	*SSM World History*	**150890**	36	
Spanish Version	*SSSWH*	*SSS World History*	**150890**	36	

High School Electives					
Economics	**SSE**	**SS Economics**	**150600**	18	
Credit Recovery	*SSCRE*	*SSCR Economics*	**150600**	18	
Modified	*SSME*	*SSM Economics*	**150600**	18	
Spanish Version	*SSSE*	*SSS Economics*	**150600**	18	
~~Geography~~	~~SSG~~	~~SS Geography~~	~~150700~~	~~Retired~~	
~~Credit Recovery~~	*~~SSCRG~~*	*~~SSCR Geography~~*	~~150700~~	~~Retired~~	
World Geography	**SSWG**	**SS World Geography**	**150700**	18	**New Course**
Spanish Version	*SSSG*	*SSS Geography*	**150700**	18	
~~Psychology~~	~~SSP~~	~~SS Psychology~~	~~151121~~	~~Retired~~	
~~Credit Recovery~~	*~~SSCRP~~*	*~~SSCR Psychology~~*	~~151121~~	~~Retired~~	
Psychology	**SSPSYC**	**SS Psychology**	**151121**	18	**New Course**
~~Sociology~~	~~SSS~~	~~SS Sociology~~	~~151300~~	~~Retired~~	
~~Credit Recovery~~	*~~SSCRS~~*	*~~SSCR Sociology~~*	~~151300~~	~~Retired~~	
Sociology	**SSSOCL**	**SS Sociology**	**151300**	18	**New Course**
Leadership Spanish Version	**SSSSL**	**SSS Student Leadership**	**300010**	18	
Current Events Fall 2024	**SSCEF24**	**SS Current Events Fall 24**	**159999**	18	
Current Events Spring 2025	**SSCES25**	**SS Current Events Spring 25**	**159999**	18	
Financial Literacy	**BUSFL**	**BUS Financial Literacy**	**153001**	18	
Credit Recovery	*BUSCRFL*	*BUSCR Financial Literacy*	**153001**	18	
Modified	*BUSMFL*	*BUSM Financial Literacy*	**153001**	18	
Spanish Version	*BUSSFL*	*BUSS Financial Literacy*	**153001**	18	
Personal Finance	**BUSPF**	**BUS Personal Finance**	**153001**	18	
Credit Recovery	*BUSCRPF*	*BUSCR Personal Finance*	**153001**	18	

Applied Educational Systems			
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**
Accounting	AESA	AES Accounting	**030100**
Business Communication	AESBC	AES Business Communication	**030600**
Banking & Finance	AESBF	AES Banking & Finance	**030100**
Business Law	AESBL	AES Business Law	**030900**
Coding Basics	AESCB	AES Coding Basics	**299999**
Career Development	AESCD	AES Career Development	**030010**
Coding Fundamentals	AESCF	AES Coding Fundamentals	**290200**
Communications I	AESCRCI	AESCR Communications I	**050545**
Customer Service	AESCS	AES Customer Service	**032800**
Computing Systems	AESCSY	AES Computing Systems	**031700**
Critical Thinking	AESCT	AES Critical Thinking	**300010**
Entrepreneurship	AESE	AES Entrepreneurship	**141030**
Google	AESG	AES Google	**Retired**
Google Docs	AESGD	AES Google Docs	**036000**
Google Forms	AESGF	AES Google Forms	**036000**
Google Sheets	AESGS	AES Google Sheets	**036000**
Google Slides	AESGSL	AES Google Slides	**036000**
International Business	AESIB	AES International Business	**032300**
Job Seeking Skills	AESJSS	AES Job Seeking Skills	**030100**
Keyboarding	AESK	AES Keyboarding	**299999**
Management	AESM	AES Management	**032300**
Marketing	AESMK	AES Marketing	**032300**
Microsoft Office	AESMO	AES Microsoft Office	**036000**
Professionalism	AESP	AES Professionalism	**032800**
Public Speaking	AESPS	AES Public Speaking	**050545**
Public Speaking & Social Comm.	AESPSSC	AES Public Speaking & Social Comm.	**050545**
Social Communication	AESSC	AES Social Communication	**050545**
Written Communication	AESWC	AES Written Communication	**050545**
Web Research	AESWR	AES Web Research	**290130**
AES Economics	SSAESECON	SS AES Economics	**150600**

Career Training					
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**	**Total Units**	
Agriculture	CTA	CT Agriculture	**300010**	**Retired**	
Business Administration	CTBA	CT Business Administration	**030500**	**Retired**	
Career Exploration	CTCE	CT Career Exploration	**300010**	18	
Credit Recovery	*CTCRCE*	*CTCR Career Exploration*	**300010**	18	
Career Planning	CTCP	CT Career Planning	**300010**	18	
Career Readiness	CTCR	CT Career Readiness	**300010**	18	
Introduction to Oil and Gas	CTIOG	CT Introduction to Oil and Gas	**300010**	9	
Credit Recovery	*CTCRIOG*	*CTCR Introduction to Oil and Gas*	**300010**	9	
Marketing Basics	CTMB	CT Marketing Basics	**300010**	18	
Credit Recovery	*CTCRMB*	*CTCR Marketing Basics*	**300010**	18	
Microsoft Office	CTMICROSOFT	CT Microsoft Office	036000	Retired	
Oilfield Basics	CTOB	CT Oilfield Basics	**300010**	36	
Ohio Means Jobs	CTOMJ	CT Ohio Means Jobs	**300010**	9	
Public Safety	CTPS	CT Public Safety	**300010**	9	
Credit Recovery	*CTCRPS*	*CTCR Public Safety*	**300010**	9	
Student Leadership	CTSL	CT Student Leadership	**300010**	18	
Study Skills	CTSS	CT Study Skills	**300010**	18	
STEM Careers	CTSTEMCAR	CT STEM Careers	**300010**	**Retired**	
Career Cluster I	**CTEI**	**CT Career Cluster Exploration I**	**300010**	**18**	**New Course**

Social Emotional Learning				
Grade Level (Course)	Course Number	Course Name	EMIS Code	Total Units
Grades K - 2	SELP	SEL Primary		36
Grades 3 - 5	SELE	SEL Elementary		36
Grades 6 - 8	SELMS	SEL Middle School		36
Grades 9 - 12	SELHS	SEL High School	093005	36
Grades 7 - 11	SELDM	SEL Decision Making	093005	9
Grades 7 - 12	SELHC	SEL Honor Code	093005	9
Grades 7 - 12	SELHR	SEL Healthy Relationships	093005	9
Grades 7 - 12	SELPW	SEL Personal Wellness	093005	9
Grades 7 - 12	SELSMR	SEL Social Media Responsibility	093005	9
Grades 7 - 12	SELTD	SEL Teen Dating	093005	9

Family Consumer Science					
Grade Level (Course)	Course Number	Course Name	EMIS Code	Total Units	
Child Development	FCSCD	FCS Child Development	230200	18	
Family Living	FCSFL	FCS Family Living	230500	18	
Credit Recovery	*FCSCRFL*	*FCSCR Family Living*	*230500*	18	
Human Growth & Development	FCSHGD	FCS Human Growth & Development	230500	18	New Course

Fine Arts					
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**	**Total Units**	
K-2 Art	**FAPA**	**FA Primary Art**	**20012**	18	
3-5 Art	**FAEA**	**FA Elementary Art**	**20012**	18	
6-8 Introduction to Art	**FAIA**	**FA Intro to Art**	**020012**	18	
Credit Recovery	*FACRIA*	*FACR Intro to Art*	**020012**	18	
9-12 Art History	**FAAH**	**FA Art History**	**020101**	18	
Credit Recovery	*FACRAH*	*FACR Art History*	**020101**	18	
Spanish Version	*FASAC*	*FAS Art Concepts*	**020101**	18	
9-12 Renaissance Art	**FARA**	**FA Renaissance Art**	**029999**	18	
Grades 9-12 Visual Art	FAVAI	FA Visual Arts I	**020012**	36	**New Course**
K-2 Music	**FAPM**	**FA Primary Music**	**122000**	18	
3-5 Music	**FAEM**	**FA Elementary Music**	**122000**	18	
6-8 Introduction to Music	**FAIM**	**FA Intro to Music**	**122000**	18	
Credit Recovery	FACRIM	FACR Intro to Music	**122000**	18	
9-12 Music Appreciation	**FAMA**	**FA Music Appreciation**	**120800**	18	
Credit Recovery	*FACRMA*	*FACR Music Appreciation*	**120800**	18	
Spanish Version	*FASM*	*FAS Music*	**120800**	18	
9-12 History of Rock and Roll	**FAHRR**	**FA History of Rock & Roll**	**129999**	18	
Credit Recovery	*FACRHRR*	*FACR History of Rock & Roll*	**129999**	18	
9-12 History of Jazz	**FAHJ**	**FA History of Jazz**	**129999**	18	
Credit Recovery	FACRHJ	FACR History of Jazz	**129999**	18	
9-12 Music Appreciation & History of Rock & Roll	**FAMI**	**FA Music I**	**129999**	36	
9-12 Music Appreciation & History Of Jazz	**FAMII**	**FA Music II**	**129999**	36	
9-12 Introduction to Theatre	**FAIT**	**FA Introduction to Theatre I**	**050600**	18	

Health				
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS Code**	**Total Units**
K-2 Health	**HEPH**	**HE Primary Health**		18
4-6 Health	**HEEH**	**HE Elementary Health**		18
6-8 Health	**HEMSH**	**HE Middle School Health**	**260101**	18
9-12 Health	**HEH**	**HE Health**	**260101**	18
Credit Recovery	HECRH	HECR Health	**260101**	18
Spanish Version	HES	HES Health	**260101**	18
6-12 Vaping	**HEVAPING**	**HE Vaping**	**269999**	9
K-2 Physical Education	**HEPEP**	**HEPE Primary PE**		18
3-5 Physical Education	**HEPEE**	**HEPE Elementary PE**		18
6-8 Physical Education	**HEPEM**	**HEPE Middle School PE**	**080300**	18
9-12 Physical Education	**HEPE**	**HEPE Physical Education**	**080300**	18
7-12 Summer Physical Education	**HEPES**	**HEPE Summer PE**	**080300**	18

Technology					
Grade Level (Course)	**Course Number**	**Course Name**	**EMIS CODE**	**Total Units**	
9-12 Computer Applications	TECHCA	TECH Computer Applications	036000	Retired	
Credit Recovery	TECHCRCA	TECHCR Computer Applications	036000	Retired	
9-12 Digital Citizenship	TECHDC	TECH Digital Citizenship	299999	Retired	
Credit Recovery	TECHCRDC	TECHCR Digital Citizenship	299999	Retired	
9-12 Digital Skills	TECHDSI	TECH Digital Skills I	290075	Retired	
Credit Recovery	TECHCRDSI	TECHCR Digital Skills I	290075	Retired	
9-12 Introduction to Internet	TECHII	TECH Introduction to the Internet	290130	Retired	
Credit Recovery	TECHCRII	TECHCR Introduction to the Internet	290130	Retired	
Esports Grades 9-12	**TECHESPORTS**	**TECH Esports**	**299999**	18	
Computer Foundations Grades 9-12	**TECHCSF**	**TECH Computer Science Foundations**	**036000**	**36**	**New Course**
Digital Civics Grades 9-12	**TECHDCV**	**TECH Digital Civics**	**299999**	**18**	**New Course**
Digital Cybersecurity Grades 9-12	**TECHCYBER**	**TECH Cybersecurity**	**299999**	**18**	**New Course**
Play of the Day 9-12	**PlayoftheDay**	**Play of the Day**	**29999**	**36**	**New Course**

World Language				
Grade Level (Course)	Course Number	Course Name	EMIS Code	Total Units
Kindergarten Spanish	LANGSKG	LANG Spanish KG	069958	18
1st Grade Spanish	LANGS110	LANG Spanish 110	069958	18
2nd Grade Spanish	LANGS120	LANG Spanish 120	069958	18
3rd Grade Spanish	LANGS130	LANG Spanish 130	069958	18
4th Grade Spanish	LANGS140	LANG Spanish 140	069958	18
5th Grade Spanish	LANGS150	LANG Spanish 150	069958	18
6th Grade Spanish	LANGS160	LANG Spanish 160	069958	18
7th Grade Spanish	LANGS170	LANG Spanish 170	060265	18
8th Grade Spanish	LANGS180	LANG Spanish 180	060265	18
1st Level High School Spanish	LANGSI	LANG Spanish I	060265	36
2nd Level High School Spanish	LANGSII	LANG Spanish II	060265	36
3rd Level High School Spanish	LANGSIII	LANG Spanish III	060265	36
4th Level High School Spanish	LANGSIV	LANG Spanish IV	060265	36
1st Level High School French	LANGFI	LANG French I	060230	36
2nd Level High School French	LANGFII	LANG French II	060230	36
3rd Level High School French	LANGFIII	LANG French III	060230	36
4th Level High School French	LANGFIV	LANG French IV	060230	36
1st Level High School ASL	LANGISLI	LANG American Sign Language I	061050	18
2nd Level High School ASL	LANGISLII	LANG American Sign Language II	061050	18
1st Level High School Latin	LANGLI	LANG Latin I	060107	retired

Miscellaneous				
Grade Level (Course)	Course Number	Course Name	EMIS Code	Total Units
9-12 Last School Year Version - Next Up 2022-23	NEXTUP22	NextUp 2022-23	300010	36
9-12 New School Year Version - Next Up 2023-24	NEXTUP23	NextUp 2023-24	300010	36
K-12 IXL	IXL	IXL	300030	36
9-12 ACT PREP - PURCHASED TEXTBOOK	ACTPREP	ACT Prep	300030	18
9-12 ACT WORKKEYS - NO TEXTBOOK	ACTWORKKEYS	ACT WorkKeys	300030	18
English Language Arts GED	GEDLA	GED Language Arts	300030	36
Math GED	GEDMATH	GED Math	300030	36
Science GED	GEDSCI	GED Science	300030	18
Social Studies GED	GEDSS	GED Social Studies	300030	36