ChallengeU Ohio Community School

2024 - 2025

Course Catalog 9-12

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

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 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.

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 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 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 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.

MATHM Consumer Math

COURSE NUMBER: MATHMCM

EMIS CODE: 110099

CREDIT: 1

In the MATHM Consumer Math course, students cover a wide range of topics 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.

MATH Intervention Math

COURSE NUMBER: MATHIM MATHCRIM

EMIS CODE: 110099

CREDIT: 1

In the MATH Intervention Math course, students review the basic concepts necessary for success in applying mathematics in real-life situations. The subject matter studied is familiar and motivational, integrating problem-solving and focusing on real applications of mathematical skills. This course is designed primarily for the student who seeks to improve his or her knowledge of basic mathematics. Topics studied include computations and applications of whole numbers, decimals, fractions, ratios, and percent; measurement in metric and customary units; geometric figures, finding volume and surface area; statistics, graphs, probability, integers, the coordinate plane, and algebraic equations.

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.

SCIENCE 9-12

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.

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 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 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 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.

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.

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 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 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: LANGSIII

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: LANGSIV

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: LANGASLI

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: LANGASLII

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.

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.

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**
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**	
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	

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 9 - 12	**SELHS**	**SEL High School**	**093005**	36

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**	
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**
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**
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
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**
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

Virtual Learning Academy
2004 2024
JEFFERSON COUNTY
Educational Service Center

DO YOU HAVE QUESTIONS ABOUT OUR COURSES?
CALL US TODAY! 1-833-565-0745