MT. ZION PREPARATORY ACADEMY

The Citadel of Transformative Learning

COURSE CATALOG

Where Warriors Are Trained

6511 Princess Garden Parkway
Lanham, Maryland 20706
240-470-7014
www.mzpa.org

Course Sequence

High School Course Sequence

9th Grade		10th Grade		11th Grade			12th Grade	
Course		**Course**		**Course**	**Credit**		**Course**	**Credit**
Fall Semester		**Fall Semester**		**Fall Semester**			**Fall Semester**	
English 9	1	English 10	1	English 11	1		English 12	1
Algebra 1	1	Algebra 2	1	Geometry	1		Math*	1
World Language I	1	World Language II	1	Psychology	1		Global Affairs	1
Computer Science	1	Art	1	Elective	1		Elective	1
Spring Semester		**Spring Semester**		**Spring Semester**			**Spring Semester**	
Earth Science	1	Biology	1	Chemistry	1		Physics	1
U.S. History	1	American Government	1	World History	1		Sociology	1
Health	1	Economics	1	Robotics	1		Elective	1
Physical Education	1	Music	1	Elective	1		Elective	1

* This mathematics course will be a course after completion of Geometry and chosen based on the student's previous success and course availability to fulfill the 4-year math course graduation requirement.

ENGLISH

English 9
Course Code: ENG9 | Credits: 1

This course is designed to move students towards mastery of the grade-level English Language Arts. Students will read complex texts that are fictional and informational. This course is a comprehensive language arts program that provides the foundation for college preparation, an overview of excellent literature across the major genres (short story, novel, poetry, drama, epic poetry, and literary non-fiction). Students are taught prerequisite skills in grammar, literature, and vocabulary development to enable them to think, read and write critically. Students will read closely to analyze texts and perform assigned writing tasks. Students will also develop skills in language and speaking and listening.

Honors English 9
Course Code: ENG09H | Credits: 1

This course accelerates the standard English 9 curriculum, demanding higher-level critical analysis and rigorous reading of diverse literary genres. Students engage deeply with complex fictional and informational texts, honing advanced skills in traditional grammar, formal vocabulary development, and analytical writing to prepare for honors-level high school tracks.

English 10
Course Code: ENG10 | Credits: 1

This course is designed to move students towards mastery of the grade-level English Language Arts. Students will read complex texts that are fictional and informational. Students will read closely to analyze texts to prepare for writing tasks that include Literary Analysis, Narrative Analysis, and Research Simulation. Students will also develop skills in language, speaking, and listening. This course is a comprehensive language arts program that provides the foundation for college preparation, focusing on critical reading of World Literature, traditional grammar, formal vocabulary development, and writings based on the literature. Students will become aware of the author's views of literature - its forms, peculiarities, language, and relationship to reality. Students will also be required to write essays, deliver speeches, and complete a mandatory research project related to the literature presented in the course.

Honors English 10
Course Code: ENG10H | Credits: 1

This course provides an advanced, fast-paced approach to the English 10 curriculum. Students engage in deep critical reading of complex World Literature texts, examining structural forms, authorial perspectives, and thematic elements. Rigorous writing requirements include complex literary analyses, formal speeches, and an enhanced research project designed to build advanced academic skills.

English 11
Course Code: ENG11 | Credits: 1

This course is designed to move students towards mastery of the grade-level English Language Arts. Students will read complex texts that are fictional and informational. Students will read closely to analyze texts to prepare for writing tasks that include Literary Analysis, Narrative Analysis, and Research Simulation. Students will also develop skills in language and speaking and listening. This is a comprehensive college-preparatory program devoted to the study of American literature, traditional grammar, formal and thematic vocabulary development, and multi-paragraph critical essays based on the relationship between literature and life. Throughout the semester, students will have opportunities to observe and acknowledge correlations with history, art, and other subjects. Students will build on their writing skills, integrating multiple sources and perspectives into their work, reading literary criticism, and writing longer and more
complex essays.

Honors English 11
Course Code: ENG11H | Credits: 1

This honors-level course offers an intensive study of American literature, analyzing its development alongside historical and cultural shifts. Students are expected to demonstrate advanced proficiency in formal writing, synthesize complex critical perspectives, and produce extensive multi-paragraph essays and research initiatives that challenge their analytical thinking.

American Literature
Course Code: ENG11A | Credits: 1

This course explores the rich landscape of American literature from the colonial period to the contemporary era. Students critically analyze seminal novels, short stories, essays, and poetry to examine core themes such as identity, freedom, and the American Dream, while evaluating the historical contexts that shaped these foundational works.

African American Literature
Course Code: ENG11AA | Credits: 1

This course surveys the literary contributions of African American writers from early oral traditions and slave narratives to the Harlem Renaissance and contemporary literature. Students explore themes of resilience, identity, culture, and systemic structures through close readings of essays, poetry, novels, and dramatic works.

English 12
Course Code: ENG12 | Credits: 1

This course is designed to move students towards mastery of the grade-level English Language Arts. Students will read complex texts, both fictional and informational. Students will read closely to analyze texts to prepare for writing tasks that include Literary Analysis, Narrative Analysis, and Research Simulation. Students will also develop skills in language, speaking, and listening. Students will focus on European literature from the Middle Ages to the present. Units are arranged chronologically, so that students may see how earlier works influence later works and how forms and ideas have evolved. Writing assignments include essays and research papers. By the end of twelfth grade, students have honed their skills of literary analysis and have learned to write a research paper.

Honors English 12
Course Code: ENG12H | Credits: 1

Designed for advanced students, this course conducts an in-depth, chronological exploration of European literature. Students evaluate complex philosophical, historical, and structural components of classic texts. The course requires university-level literary criticism, advanced essay composition, and a rigorous, comprehensive research paper.
Grammar and Composition

Grammar and Composition
Course Code: ENG05 | Credits: 1

This course focuses on building foundational literacy skills, concentrating heavily on mechanics, English grammar, syntax, and sentence structure. Students develop proficiency in the writing process, progressing from constructed sentences to cohesive, structured paragraphs and short essays across expository and descriptive modalities.

Literature and Composition
Course Code: ENG06 | Credits: 1

This introductory course blends fundamental literary analysis with formal writing skills. Students explore a diverse selection of short stories, drama, and informational texts while learning how to structure clear, evidence-based compositions that analyze theme, character development, and narrative design.

Research and Composition
Course Code: ENG07 | Credits: 1

This course provides rigorous training in academic inquiry and formal research writing. Students master the skills of formulating research questions, evaluating primary and secondary sources, implementing appropriate citation styles, avoiding plagiarism, and structuring long-form, argumentative research papers.

English Literature
Course Code: ENG21 | Credits: 1

This course will engage students in the careful reading and critical analysis of imaginative literature. Students will explore works by English authors from various genres and periods, concentrating on works of recognized literary merit. Throughout this course, students will be encouraged to deepen their understanding of the ways writers use language to provide both meaning and pleasure to their readers. Students will explore a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students will prepare writing assignments that focus on the critical analysis of literature and include expository, analytical, and argumentative essays.

Creative Writing
Course Code: ENG22 / ENG22B | Credits: 1

This course will focus on expressive writing in many different forms. Students will explore various genres of creative writing, including poetry, prose styles, narrative, verse, and dialogue, as well as respond to literature, art mediums, quotes, and music. Throughout this course, students will be encouraged to develop their voices via original writings, collaboration, and review of peer writings. Students will explore strategies to avoid writer's block and discover ways to develop ideas for writing.

Journalism
Course Code: ENG23 | Credits: 1

This course introduces students to contemporary journalistic practice. Students will learn about the function and operation of print, electronic, and online news media. Issues and concepts to be covered include the relationship of government to media, freedom of the press, media ethics, and the impact of global communications. The course also covers the relationship of journalism to advertising, public relations, and telecommunications, particularly in relation to new technologies.

World Literature
Course Code: ENG24 | Credits: 1

This course will engage students in the careful reading and critical analysis of imaginative literature. Students will explore works by authors from various cultures, genres, and periods, concentrating on works of recognized literary merit. Throughout this course, students will be encouraged to deepen their understanding of the ways writers use language to provide both meaning and pleasure to their readers. Students will explore a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students will explore the cultural significance of the work and its impact on literature worldwide. Students will prepare writing assignments that focus on the critical analysis of literature and include expository, analytical, and argumentative essays.

Public Speaking
Course Code: ENG25 | Credits: 1

This course will engage students in building and honing their skills in public speaking. Students will prepare through researching, outlining, drafting, rehearsing, and presenting topics of various natures. Students will place particular emphasis on learning to control body language and pitch, persuasion, rhetoric, and storytelling skills to effectively deliver their message. Students will gain additional experience with Q & A and setting and achieving goals for their delivery.

AP English Language and Composition
Course Code: ENG30AP | Credits: 1

This college-level course focuses on the development and revision of evidence-based analytic and argumentative essays, and the rhetorical analysis of non-fiction texts. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze the rhetorical choices made by writers across various historical periods and disciplines.

AP English Literature and Composition
Course Code: ENG31AP | Credits: 1

This advanced placement course aligns with an introductory college-level literary analysis curriculum. Students engage in close reading and critical analysis of imaginative literature from diverse periods and genres. They evaluate a work's structure, style, themes, and use of literary devices, translating their insights into evidence-based critical essays.

AP Research
Course Code: ENG32AP | Credits: 1

The second course in the AP Capstone program allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this inquiry-based framework, students design, plan, and conduct a year-long mentored investigation, culminating in an academic paper of 4,000–5,000 words and an oral defense presentation.

MATHEMATICS

Algebra 1
Course Code: MATH1 | Credits: 1

Algebra 1 formalizes and extends the mathematics students learned in the middle grades. Six critical areas comprise Algebra 1: Relationships Between Quantities and Reasoning with Equations, Linear Functions, Exponential Functions, Quadratic Functions, Descriptive Statistics, and a survey of other Nonlinear Functions. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. Subsequently, students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Honors Algebra 1
Course Code: MATH1H | Credits: 1

This course accelerates the conceptual depth of Algebra 1. Students move quickly through basic equations and functions to engage in abstract reasoning, challenging multi-step application problems, and advanced manipulations of quadratic, exponential, and non-linear mathematical models.

Geometry
Course Code: MATH2 | Credits: 1

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving toward formal mathematical arguments. Six critical areas comprise the Geometry course: Congruence, Proof and Constructions, Connecting Algebra and Geometry through Coordinates, Similarity, Proof, and Trigonometry, Extending to Three Dimensions, and Circles With and Without Coordinates.

Honors Geometry
Course Code: MATH2H | Credits: 1

This course explores Euclidean geometry with an enhanced focus on rigorous formal logic and geometric proofs. Students investigate congruence, similarity, trigonometry, and coordinate geometry using deep mathematical reasoning, solving complex three-dimensional and theoretical proof-based application problems.

Algebra 2
Course Code: MATH3 | Credits: 1

Algebra 2 continues to work with linear, quadratic, and exponential functions. Students extend their repertoire of functions to include polynomial, rational, radical, and trigonometric functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

Honors Algebra 2
Course Code: MATH3H | Credits: 1

This honors course provides an enriched, analytical exploration of advanced algebraic concepts. Students engage in deep studies of polynomial, rational, radical, logarithmic, and trigonometric functions, emphasizing complex number theory, mathematical systems modeling, and rigorous problem-solving matrices.

College Algebra
Course Code: MATH3C | Credits: 1

This course is designed to prepare students for college-level mathematics. Focus areas include advanced algebraic equations, systems of equations, properties of functions, and complex numerical systems. The course emphasizes practical problem-solving applications necessary for collegiate entry exams and postsecondary math streams.

Statistics
Course Code: MATH4 | Credits: 1

This course provides a basic introduction to probability and statistics with applications in both descriptive and inferential statistics. Students will explore topics including descriptive statistics, probability, probability distributions, normal distribution, confidence intervals, hypothesis testing, correlation, and regression. Students will use graphing calculators in activities that are appropriate to the topics being studied.

Trigonometry
Course Code: MATH5 | Credits: 1

Students will use graphing calculators in activities that are appropriate to the topics being studied. This course introduces students to the field of trigonometry, studying the relationships found in triangles and their many applications in other areas of mathematics, science, and engineering. Students will study the relationship between the angles and sides of
triangles and extend this logic to explore how this relationship is the basis for periodic functions. Finally, the algebraic applications of trigonometry will be supported using trigonometric identities.

Pre-Calculus
Course Code: MATH6 | Credits: 1

Students in this course will receive instruction designed to strengthen and extend the students' knowledge of algebraic and trigonometric concepts and to prepare the students for Calculus. The content will include mathematical induction, symbolic logic, Boolean and matrix algebra, probability and statistics, elementary functions, and limits. Calculators and computers will serve as instructional tools in concept development.

College Math
Course Code: MATH7 | Credits: 1

Students will receive a comprehensive overview of high school mathematics in preparation for college-level courses in mathematics. Students will explore complex topics from Algebra, Geometry, Trigonometry, and Pre-Calculus. This course incorporates general topics in the areas of Expressions and Equations, The Number System, Functions, Algebra, Geometry, Number and Quantity, and Statistics and Probability. The course is designed to align with the standards for Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.

Honors Calculus
Course Code: MATH8 | Credits: 1

This Honors Calculus course is primarily concerned with developing the students' understanding of the concepts of Calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to Calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. During this course, the students will understand the connections among these representations and work with functions and derivatives represented in a variety of ways.

Linear Algebra
Course Code: MATH9 | Credits: 1

This advanced course covers systems of linear equations, matrices, determinants, vector spaces, inner product spaces, eigenvalues, and eigenvectors. Students apply concepts to linear transformations and computational matrices, developing the abstract mathematical foundations required for university-level science and engineering paths.

SCIENCE

Biology
Course Code: SCI1 | Credits: 1

This course is designed to provide a foundation in the process of scientific inquiry and the concepts and processes of modern biological science. Emphasizing the study of the interrelationships of living organisms concerning their environment. Students will engage in laboratory investigations, scientific discussions, and phenomena-based instruction to apply science and engineering practices to explain cell structures and processes, ecosystem interactions, inheritance of traits, and evolution. Students will use observations, experiments, models, theories, and technology to make sense of the natural world. This course will also involve students developing solutions to authentic problem-based life science issues and investigations, while exploring career opportunities in Science, Technology, Engineering, and Mathematics (STEM).

Honors Biology
Course Code: SCI1H | Credits: 1

This course offers an accelerated pathway through biological sciences. It requires deeper exploration of cellular biology, molecular biochemistry, genetic inheritance mechanisms, and ecological dynamics. Students encounter complex, quantitative laboratory experiments and data-driven scientific inquiries aligned with advanced NGSS metrics.

Chemistry
Course Code: SCI2 | Credits: 1

This course is designed to explore the study of matter and its interactions through laboratory investigations, scientific discussions, and phenomena-based instruction. Students will apply science and engineering practices to explain the structure, function, and interactions of matter, at the macroscopic and molecular-atomic levels. Students are expected to develop an understanding of chemical reactions, including rates of reactions and energy changes in terms of collisions of molecules, and the rearrangements of atoms as they make sense of their physical world through real-world connections. Students will develop skills in reading, writing, and balancing chemical equations, in performing chemical calculations, in interpreting the role that bonding plays in the formation of particular compounds, and in predicting the probable result of chemical reactions to reinforce the concepts of lab activities. This course will also involve students developing solutions to the authentic problem-based physical science issues and investigations, while exploring career opportunities in Science, Technology, Engineering, and Mathematics (STEM).

Honors Chemistry
Course Code: SCI2H | Credits: 1

This course provides an advanced, mathematically intense framework for studying chemical systems. Students engage in deep analysis of stoichiometry, chemical thermodynamics, kinetics, and quantum mechanical atomic models, requiring rigorous laboratory research and technical reporting.

Earth Science
Course Code: SCI3 | Credits: 1

This course is designed to introduce students to major ecological concepts and the environmental problems that affect the earth on local, regional, and global levels. Students will investigate the concepts using computers, remote sensing, and water quality monitoring. This course allows students to explore the Earth and beyond while learning skills that will enable them to apply science and engineering practices to real-world Earth and space science situations. Earth and Space Systems integrates key areas of science disciplinary core ideas, including biology, chemistry, physics, geology, and astronomy. This course will involve students developing solutions to authentic problem-based earth and space sciences issues and investigations, while also exploring career opportunities in Science, Technology, Engineering, and Mathematics (STEM).

Physical Science
Course Code: SCI4 | Credits: 1

This course is designed to explore the basic concepts of Physics and Chemistry. Students will explore the study of motion and matter and its interactions through laboratory investigations, scientific discussions, and phenomena-based instruction. Mechanics, the laws of motion, energy, electricity, magnetism, the elements, molecules, atoms, sub-atomic particles, nuclear reactions, light, heat, the periodic table, organic chemistry, and biochemistry are introduced in this course. Laboratory activities are an integral part of this course. Students will apply science and engineering practices to explain the laws of nature (physics). This course will involve students developing solutions to authentic problem-based physics and chemistry issues and investigations, while also exploring career opportunities in Science, Technology, Engineering, and Mathematics (STEM).

Physics
Course Code: SCI5 | Credits: 1

This course is designed to explore the study of motion, stability, forces, and interactions through laboratory investigations, scientific discussions, and phenomena-based instruction. Students are expected to develop an understanding of momentum conservation and describe and predict the gravitational and electrostatic forces between objects, as they make sense of their physical world. Students will also explore waves and their applications in technologies for information transfer, including wave properties and electromagnetic radiation. Additionally, students are expected to demonstrate their understanding of engineering ideas by explaining how technological devices use the principles of physics with matter to transmit and capture information and energy. This course will involve students developing solutions to authentic problem-based physics issues and investigations, while exploring career opportunities in Science, Technology, Engineering, and Mathematics (STEM).

Honors Physics
Course Code: SCI5H | Credits: 1

An advanced algebra-based framework designed for deep mathematical modeling of physical laws. Students explore advanced mechanics, thermodynamics, wave phenomena, optics, and electrostatics. The course requires extensive quantitative data analysis, advanced problem-solving, and physics engineering challenges.

Introduction to Forensics / Forensic Science
Course Code: SCI6 | Credits: 1

Students will explore the scientific protocols for analyzing crime scenes, including chemical and physical separation methods to isolate and identify materials, chromatography, spectroscopy, and analyzing biological evidence using scientific protocols. Students will learn the proper collection, preservation, and laboratory analysis of various samples. The course also integrates science content and engineering, technology, and the application of science objectives, as well as law and criminal justice, the history of forensics, and forensic-related careers. The course emphasizes inquiry, critical thinking, problem solving, data analysis, and communication skills. This course will involve students developing solutions to authentic problem-based forensics issues and investigations, while exploring career opportunities in Science, Technology, Engineering, and Mathematics (STEM).

Anatomy
Course Code: SCI07 | Credits: 1

This course features an in-depth investigation of the human body's structures and interconnected functions. Students analyze the anatomical layout and physiological processes of major systems (skeletal, muscular, cardiovascular, nervous, etc.), integrating laboratory dissections, histology studies, and medical ethics case reviews.

Astronomy
Course Code: SCI08 | Credits: 1

This course introduces celestial mechanics, planetary science, stellar evolution, and cosmic topography. Students apply basic physical laws to study the properties of stars, nebulae, galaxies, and black holes, while exploring cosmological histories, observational techniques, and aerospace technologies.

Food Chemistry
Course Code: SCI09 | Credits: 1

This course delivers a rigorous biochemistry-focused exploration of food. Students manipulate and map the structures of carbohydrates, lipids, proteins, and vitamins, analyzing chemical kinetics in food storage, enzymatic browning, molecular structure transformations, and industrial chemical processing of food commodities.

Marine Science
Course Code: SCI10 | Credits: 1

An integrated approach to oceanography and marine biology. Students analyze physical ocean dynamics, marine geology, chemical compositions of seawater, and the diverse ecological niches of marine life forms, while tackling global oceanic conservation challenges and environmental systems engineering.

AP Environmental Science
Course Code: SCI11AP | Credits: 1

This advanced placement, college-level course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.

SOCIAL STUDIES / SOCIAL SCIENCES

World History
Course Code: SS1 | Credits: 1

This course is designed to expose students to the growth and advancements of civilizations around the world. It traces and studies civilizations from the earliest river civilizations, like Mesopotamia, through civilizations as they developed in areas of Asia, Africa, America, and Europe. It will leave the students with an awareness of contributions that other civilizations made to our present state of affairs. The changing cultures and civilizations of areas around the world have set the climate for our situations, problems, and advancements today.

US History
Course Code: SS2 / SS2F | Credits: 1

In this course, students pursue a chronological approach to the foundation of the United States with important themes in its development. Students will explore the foundation of government, legal systems, capitalism, and social constructs of the United States. Throughout the course, students will examine the many triumphs, controversies, and challenges of America. Students will also explore the democratic institutions and the nation's ethnic, racial, and social development. Extensions may incorporate the evaluation of American historical milestones.

American History and Film
Course Code: SS2F | Credits: 1

This course examines major themes, eras, and milestones in United States history through the dual lenses of historical documentation and modern cinematography. Students will critically analyze how cinematic masterpieces, documentaries, and popular films reflect, distort, or influence public perception of past events. Throughout the course, emphasis will be placed on evaluating the historical accuracy of films, identifying political and social propaganda, and understanding how the cultural era in which a film was produced shapes its narrative perspective. By comparing primary source materials with cinematic representations, students will enhance their historical inquiry, media literacy, and critical analysis skills, gaining a deeper understanding of the American experience from the founding of the nation to the modern era.

American Government
Course Code: SS3 | Credits: 1

This course examines the basic framework of the US government at the national, state, and local levels. Students will explore the three-branch system of checks and balances and its correlation and influence over state and local governments. The student will understand the interaction of government in their life and community, exhibit knowledge of political systems, competency in citizenship skills, and awareness of the responsibility of being an active and informed citizen.

World Cultures
Course Code: SS4 | Credits: 1

The World Cultures course aims to empower emerging global citizens to have a deeper understanding of the human experience. Students will examine major geographical, cultural, and historical themes in addition to the current issues of different regions throughout the world. Students will frequently apply their knowledge and skills to analyze and evaluate different social, political, and economic systems in the world.

Global Affairs
Course Code: SS5 | Credits: 1

The Global Affairs course aims to empower emerging global citizens to have a deeper understanding of the social issues affecting populations worldwide. Students will examine major social institutions of various regions with a particular focus on familial structures, differences in education, religious entities, and global economies. Students will frequently apply their knowledge and skills to analyze and evaluate how the social dynamics of a region affect the population globally.

Psychology
Course Code: SS6 | Credits: 1

This course will focus on the study of behavior and mental processes. Students will examine the history of psychology, research methods used, biological bases of behavior, sensation and perception, states of consciousness, learning cognition, motivation and emotion, development, personality, testing and individual differences, abnormal psychology and the treatment of disorders, and social psychology.

Sociology
Course Code: SS7 | Credits: 1

This course focuses on many different aspects of human behavior and life. Students will examine how ethics vary in different cultures, groups, and societies, the cultural trends that affect how a society operates, and how to work well with people from different backgrounds.

African-American History
Course Code: SS8 | Credits: 1

This course examines the historical and cultural experiences of African Americans from the events before the Transatlantic Slave Trade to the emerging themes of the modern day. Through readings, documentaries, and discussions, the course will illustrate the multiple ways in which African Americans have prevailed through adversity.

Introduction to Law 1
Course Code: SS9 | Credits: 1

In this introductory course, students will discover the basic concepts of law and the American system of jurisprudence and juristic theory. This course will explore the basic concepts of criminal, civil, and business law with topics including Constitutional rights, intellectual property, and the structure of a court case. Student learning will be culminated by a mock trial.

Social Justice
Course Code: SS10 | Credits: 1

This course provides an introductory study of theories, concepts, and strategies of social justice, including individual action, policy, advocacy, and collective action. This course explores social issues affecting global communities with a particular focus on concepts such as equality, equity, meritocracy, fairness, and human rights. Students will explore and analyze issues such as power dynamics, social advantage, and the changing roles of individuals, groups, and entities in society.

Introduction to Philosophy / Intro Philosophy
Course Code: SS11 | Credits: 1

This course provides an introductory study of theories, concepts, and strategies of historical and modern philosophy. The student will investigate, dissect, and analyse various philosophical approaches to problem-solving and decision-making. This course will allow students to develop a systematic approach to problem-solving, critical thinking, and collaboration. Students explore a myriad of topics, including ethics, logic, metaphysics, and epistemology.

AP Comparative Government & Politics
Course Code: SS20AP | Credits: 1

This college-level course introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and economic and social challenges of six distinct countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students compare the effectiveness of different approaches to governance.

AP Psychology
Course Code: SS21AP | Credits: 1

This advanced course introduces students to the systematic and scientific study of human behavior and mental processes. While exploring psychological facts, principles, and phenomena associated with each of the major subfields within psychology, students also learn about the ethics and methods psychologists use in their science and practice.

AP U.S. Government & Politics
Course Code: SS22AP | Credits: 1

An analytically rigorous, college-level course examining the structure and dynamics of the American political landscape. Students scrutinize foundational documents, Supreme Court milestones, and evolving socio-political paradigms to evaluate civil liberties, voter behaviors, party networks, and the checks and balances framework.

HEALTH AND PHYSICAL EDUCATION

Health
Course Code: HEALTH | Credit: 1

Students will explore 10 critical health skills that are aligned with the National Health Standards while emphasizing social and emotional skills. To help students become health-literate, they will explore up-to-date information and statistics on timely, relevant topics.

Physical Education
Course Code: PE | Credit: 1

Students will explore their fitness levels and analyze nutritional choices and attitudes. The students will use the knowledge they gain to develop a well-rounded personal fitness plan that will support living an active, healthy lifestyle.

Advanced Tennis
Course Code: PE-TEN2 | Credit: 1

Designed for competitive student-athletes who have mastered basic groundstrokes. This performance track hones tactical court strategy, footwork arrays, serving precision, spin variation, and deep-level athletic match simulations across singles and doubles metrics.

Introduction to Tennis
Course Code: PE-TEN1 | Credit: 1

This foundational physical course introduces the basics of tennis mechanics. Students practice proper grip structures, backhand and forehand groundstrokes, volley positioning, court rules, etiquette, and foundational scoring paradigms.

Advanced Basketball 1
Course Code: PE-BB1 | Credit: 1

This high-intensity course advances competitive team parameters. Focus points include elite ball handling, set play navigation, spatial awareness, defensive blocking techniques, structural conditioning drills, and film evaluation of positional performance.

Advanced Basketball 2
Course Code: PE-BB2 | Credit: 1

A rigorous continuation of Advanced Basketball 1, prioritizing strategic player evolution. Focus vectors shift toward in-game decision modeling, defensive transformations, complex fast-break architecture, team leadership matrices, and personalized athletic preparation plans.

Strength and Conditioning
Course Code: PE-SC | Credit: 1

This comprehensive fitness framework focuses on maximizing human physical capability. Students engage in periodized athletic programming, speed mechanics, agility tracking, plyometric circuits, injury mitigation education, and body maintenance protocols.

Weight Training 1
Course Code: PE-WT1 | Credit: 1⁄2

This course introduces safe weight room mechanics. Students master technique across Olympic lifts, powerlifting movements, resistance machines, and core stability patterns, with an integrated focus on tracking personal structural progressions and nutritional basics.

Weight Training 2
Course Code: PE-WT2 | Credit: 1⁄2

An advanced continuation of Weight Training 1, moving into high-level hypertrophy and strength splits. Students design custom workout regimes, analyze target muscle activation profiles, implement progressive overload cycles, and study sports performance supplementation paradigms.

COMPUTER / TECHNOLOGY AND ENGINEERING

Computer Science
Course Code: CS1 | Credits: 1

This course is designed to introduce students to the field of computer science, with a focus on the conceptual ideas of computing by assisting students to understand why certain tools or languages are utilized. This course includes a broad range of topics in computing, including robotics and programming.

Cybersecurity
Course Code: CS2 | Credits: 1

In the cybersecurity course, students will learn the fundamentals of cybercrime and the methods to combat it. Students will be introduced to the most widely used cybersecurity programs and software. Students will explore contemporary digital forensics practices through exercises, projects, and mock case studies, and explore potential career paths available.

Engineering 1
Course Code: EEG1 | Credits: 1

This course promotes a hands-on focus on learning the concepts and roles of engineering, design, invention, and innovation in creating technology systems that improve the quality of life. The students apply and transfer this knowledge to real-life scenarios. The course incorporates the applications of math and science concepts and provides a strong background for students investigating careers.

Engineering 2
Course Code: EEG2 | Credits: 1

This course promotes a hands-on focus on learning the concepts and roles of engineering, design, invention, and innovation in creating technology systems that improve the quality of life. The students apply and transfer this knowledge to real-life scenarios. This course is a continuation of Engineering 1, The concepts and ideas developed in that class will be used as a background for this class.

Robotics 1
Course Code: ROB1 | Credits: 1

This class will introduce robotics to students with a focus on autonomous robots and human-controlled robots. The students will explore the structure, drivetrain, and functionality of robots operated both by manual manipulation and by programming the robots using written code. The course information will be aligned with lab experiments where students will work in groups to build and test increasingly more complex mobile robots.

Robotics 2
Course Code: ROB2 | Credits: 1

This class will introduce robotics to students with a focus on autonomous robots. The students will explore the structure, drivetrain, and functionality of robots operated both by manual manipulation and by programming the robots using written code. This course is a continuation of Robotics 1. The concepts and ideas developed in that class will be used as a background for this class. Course information will be aligned with lab experiments, where students will work in groups to build and test increasingly more complex mobile robots to compete in competitions.

Technology / Technology 1
Course Code: TECH1 | Prerequisites: None | Credits: 1

This course will provide students with hands-on experiences in various ways we use energy and power. The students will gain an understanding of various energy sources and how they are used to produce power. Some lab activities include magnetic cars, electronic wiring, biodiesel, and rocketry.

VISUAL AND PERFORMING ARTS

ART 1 – Introduction to Art
Course Code: ART1 | Credits: 1

Art 1 is designed as an entry-level course for high school students. The curriculum provides a broad base of art experiences, including design, drawing, printmaking, painting, sculpting, lettering, and crafts. Each art unit includes both a sequentially structured, hands-on experience, art vocabulary, and a theoretical section that relates the cultural, historical, and aesthetic significance, and critical analysis of the art form. The emphasis in each unit is on the development of fundamental concepts and technical and problem-solving skills. The course concludes with an introduction to careers in art. All students will be expected to maintain a journal/sketchbook.

ART 2 – Media Arts / Digital Arts & Graphic Design
Course Code: ART2 | Credits: 1

Art 2 is designed to provide a broad base of art experiences, including digital art, photography, computer & graphic design, film, and video. The emphasis in each unit is on the development of fundamental concepts and technical and problem-solving skills. The course concludes with an introduction to careers in art. All students will be expected to maintain a journal/sketchbook.

ART 3 – Painting / Introduction to Painting
Course Code: ART3 | Credits: 1

Students will continue to develop skills and vocabulary in drawing and painting techniques. All students will learn more advanced applications of techniques. Emphasis will be placed on producing original artwork suitable for exhibits and portfolios. Students will critique their work as well as the works of master artists. All students will be expected to maintain a journal/sketchbook.

ART 4 – Sculpture / Introduction to Sculpture
Course Code: ART4 | Credits: 1

Students will continue to develop skills and vocabulary, emphasizing sculpture processes. Students will be expected to produce original sculpture forms using a variety of materials and techniques. The importance of craftsmanship will be stressed. Students will discuss and critique their work and the work of master sculptors. All students will be expected to maintain a journal/sketchbook.

Art History
Course Code: ART-HIST | Credits: 1

This course examines human artistic expressions from prehistoric eras to modern global styles. Students analyze paintings, architecture, and sculptures, learning to evaluate artistic stylistic developments, medium attributes, socio-political narratives, and institutional context cross-currents.

Photography
Course Code: ART-PHOTO | Credits: 1

This specific elective explores the mechanical, electronic, and artistic rules of photography. Students cover exposure variables, focal length parameters, framing techniques, lighting setups, digital workflow editing, and historic visual documentation aesthetics.

Dance 1 - Intro to Dance / Introduction to Dance
Course Code: DAN1 | Credits: 1

In this course, students will study the fundamentals of dance and movement with an emphasis on time, space, and energy. Students will develop mindfulness and respect for the physical body and its agile and expressive capabilities. Students will explore a variety of dance genres (ballet, modern dance, hip-hop, and world dances), subsequently developing an understanding of world cultures through studying traditional dances and music of selected cultures. Introductory elements of dance choreography and performance are also included.

Dance 2 - Intermediate Dance
Course Code: DAN2 | Credits: 1

This course is a more in-depth study of Pointe Ballet with emphasis on tempi, allegro combinations, enchainment au milieu, and barre-supported adage; building on the fundamentals of modern dance practices learned in Intro to Dance and exploring and expanding on the B-Boy style of Hip-Hop dance.

Dance 3 - Advanced Dance / Advanced Dance
Course Code: DAN3 | Credits: 1

This course emphasizes increased technical proficiency from the Intermediate Dance course, progressing toward a focus on dance as a performing art and a means of communication. Students continue to increase their knowledge of dance history, theory, choreography, and criticism. The student will demonstrate the ability to work in an ensemble as well as choreograph solo performances.

Music 1 – Academic – Intro- Music Appreciation / Introduction to Music
Course Code: MUS1 | Credits: 1

Students will be introduced to the history, theory, and genres of music, from classical, contemporary, and jazz, gospel, folk, soul, blues, country, rock and roll, and hip-hop. The course will explore how music makes one feel and how music can shape a culture and or social movements. Students will gain an understanding of the development and major cultural contributions of select composers and musicians to the global scene.

Music 2 – Performance – Musicianship & Applied Voice / Instrumental Performance
Course Code: MUS2 | Credits: 1

This is a beginning course in music that includes theory, ear training, dictation, and analysis of simple musical form and structure while identifying and enhancing one's vocal or instrumental ability. Students receive vocal/instrumental instruction focusing on technique and tone production. Students will be required to participate in recitals.

Music 3 – Ensemble / Ensemble
Course Code: MUS3 | Credits: 1

This course includes performance and study of the historical development of one or more current styles of music. Instruction includes composition, aural analysis, and orchestration.

Theatre 1 – Scripted Works, Character Development, Technical Theatre
Course Code: THEA1 | Credits: 1

Students will collectively create, perform and critically respond by developing skills required for public performances, college, and post-graduate positions in the field. Additionally, students will develop a keen sense of organizational skills, communication, and time management.

Theatre 2 – Ensemble Building, Sketch Comedy, Acting Styles, Theatre History
Course Code: THEA2 | Credits: 1

Students will develop the advanced skills necessary to participate in an acting role(s). The class topics include: Rules of Improv, Cohesive theatre/acting methods, Introduction to Dance, Voice and Diction, Fundamentals of Acting, and Script and Character Analysis.

Theatre 3 – Film/Media Arts
Course Code: THEA3 | Credits: 1

Students will develop the advanced skills necessary to write, direct, and design stage productions. The class topics include: Technical Theatre, Scene Design, Theatre Management, Lighting Design, Fundamentals of Acting, and Directing.

WORLD LANGUAGES

Mandarin 1
Course Code: MAND1 | Prerequisites: None | Credits: 1

In this course, students will learn introductory Mandarin focused on communication and the sounds of the language. Students will explore Asian culture via food, customs, clothing, and social lifestyles. The students will learn to read, write, speak, and comprehend the language and culture.

Mandarin 2
Course Code: MAND2 | Prerequisites: Mandarin 1 | Credits: 1

This course is a continuation of Mandarin 1. The concepts and ideas developed in that class will be used as a background for this class. Greater emphasis is placed on oral proficiency, listening, reading, and writing. Students will delve deeper into the grammatical principles of the language and the traditions and customs of the culture.

Mandarin 3
Course Code: MAND3 | Prerequisites: Mandarin 2 | Credits: 1

This course is a continuation of Mandarin 2. The concepts and ideas developed in Mandarin 1 & 2 will be used as a background for this course. In this class, students will continue to strengthen and utilize their reading, writing, and verbal language skills. Students will be able to read, write, and speak short compositions. Students should have a strong understanding of the grammatical principles of the language and the traditions and customs of the culture.

Spanish 1
Course Code: SPAN1 | Prerequisites: None | Credits: 1

In this course, students will learn introductory Spanish focused on communication and the sounds of the language. Students will explore the Hispanic culture via food, customs, clothing, and social lifestyles. The students will learn to read, write, speak, and comprehend the language and culture.

Spanish 2
Course Code: SPAN2 | Prerequisites: Spanish 1 | Credits: 1

This course is a continuation of Spanish 1. The concepts and ideas developed in that class will be used as a background for this class. Greater emphasis is placed on oral proficiency, listening, reading, and writing. Students will delve deeper into the grammatical principles of the language and traditions and customs of the culture.

Spanish 3
Course Code: SPAN3 | Prerequisites: Spanish 2 | Credits: 1

This course is a continuation of Spanish 2. The concepts and ideas developed in Spanish 1 & 2 will be used as a background for this course. In this class, students will continue to strengthen and utilize their reading, writing, and oral skills. Students will be able to read, write, and speak short compositions. Students should have a strong understanding of the grammatical principles of the language and the traditions and customs of the culture.

French 1
Course Code: FR1 | Prerequisites: None | Credits: 1

In this course, students will learn introductory French focused on communication and the sounds of the language. Students will explore the French culture via food, customs, clothing, and social lifestyles. The students will learn to read, write, speak, and comprehend the language and culture.

French 2
Course Code: FR2 | Prerequisites: French 1 | Credits: 1

This course is a continuation of French 1. The concepts and ideas developed in that class will be used as a background for this class. Greater emphasis is placed on oral proficiency, listening, reading, and writing. Students will delve deeper into the grammatical principles of the language and traditions and customs of the culture.

French 3
Course Code: FR3 | Prerequisites: French 2 | Credits: 1

This course is a continuation of French 2. The concepts and ideas developed in French 1 & 2 will be used as a background for this course. In this class, students will continue to strengthen and utilize their reading, writing, and oral skills. Students will be able to read, write, and speak short compositions. Students should have a strong understanding of the grammatical principles of the language and the traditions and customs of the culture.

Arabic 1
Course Code: AR1 | Prerequisites: None | Credits: 1

In this course, students will learn introductory Arabic focused on communication and the sounds of the language. Students will explore the Arabic culture via food, customs, clothing, and social lifestyles. The students will learn to read, write, speak, and comprehend the language and culture.

Arabic 2
Course Code: AR2 | Prerequisites: Arabic 1 | Credits: 1

This course is a continuation of Arabic 1. The concepts and ideas developed in that class will be used as a background for this class. Greater emphasis is placed on oral proficiency, listening, reading, and writing. Students will delve deeper into the grammatical principles of the language and traditions and customs of the culture.

Arabic 3
Course Code: AR3 | Prerequisites: Arabic 2 | Credits: 1

This course is a continuation of Arabic 2. The concepts and ideas developed in Arabic 1 & 2 will be used as a background for this course. In this class, students will continue to strengthen and utilize their reading, writing, and oral skills. Students will be able to read, write and speak short compositions. Students should have a strong understanding of the grammatical principles of the language and the traditions and customs of the culture.

BUSINESS

Economics / Financial Literacy
Course Code: BUS1 | Credits: 1

This course includes the introductory study of the principles and practices of macroeconomics and microeconomics. Topics examined include markets, prices, and competition; business organizations; the American economic system; international trade; and how the theories of economics work for students.

Macro Economics
Course Code: BUS1-MAC | Credits: 1

This course provides an advanced exploration of national and global economic systems. Focus metrics cover gross domestic product (GDP), national performance variables, inflation indices, fiscal policy, monetary networks, federal spending models, and global currency distributions.

Micro Economics
Course Code: BUS1-MIC | Credits: 1

This framework explores individual decision patterns within targeted markets. Students examine scarcity dynamics, pricing mechanisms, consumer utility properties, corporate production expenses, supply/demand optimization curves, and market structural configurations.

Entrepreneurship 1
Course Code: BUS2 | Prerequisites: None | Credits: 1

This course is the introductory study of the principles and practices of entrepreneurship. Students will examine the various types of entrepreneurs as well as pathways to business formation and organization. The course will also explore tax benefits and implications of various business structures.

Intellectual Property
Course Code: BUS3 | Prerequisites: None | Credits: 1

In this survey introduction to intellectual property, students will explore the four primary areas of intellectual property, including copyrights, trademarks, patents, and trade secrets. Students will explore the concepts as related to individual works and inventions, as well as the impact of these areas on business, law, and the global economy.

Intro to Sports Management / Intro to Sport Management
Course Code: BUS4 | Prerequisites: None | Credits: 1

This introduction to the field of sport management covers the history and foundations of sport management, the differing levels of sport, the various sport industry segments, international sport, and current ethical and social issues in sports. Students will also explore the differences between amateur and professional sport and the nuances in the management of each.

Intro to Business Law
Course Code: BUS5 | Prerequisites: None | Credits: 1

This introduction to commercial law environments maps the foundational frameworks of business interactions. Focus arrays encompass transactional contracts, liabilities, uniform commercial structures, consumer legal remedies, corporate ethics, and operational dispute management.