

	Credits	Grade	Course Name	Course Description
<b>Engineering</b>				
Required in Order	1	9	Foundation of CAD	An introductory course covering the basics of Computer-Aided Design, including 2D and 3D modeling techniques.
	1	10	Engineering Design Problem Solving	A foundational course focusing on developing problem-solving skills through engineering design principles.
	1	11	Engineering Design/PrST 1	This course emphasizes engineering design processes and practical skills in creating engineering solutions.
	1	12	Scientific Research & Design II	This course introduces students to the principles of scientific inquiry, research methods, and experimental design.
<b>English</b>				
English Required Each Year	1	9	English 1	A comprehensive course focusing on reading, writing, and communication skills aligned with state standards.
	1	10	English 2	Advanced study of literature, writing, and critical thinking, preparing students for upper-level English courses.
	1	11	English 3	A further exploration of American literature and rhetoric, with an option to take the AP exam.
	1	11	AP Language	Students explore complex themes, develop their argumentative and rhetorical skills, and prepare for the AP exam.
	1	12	Eng 4	This course studies various literary genres and themes, preparing students for college-level analysis.
<b>Math</b>				
Alg I, Geom, Alg II Required in order  4 years of math recommended	1	9	Algebra 1	Fundamental algebraic concepts including variables, equations, and functions.
	1	9, 10	Geometry	A study of geometric figures, reasoning, and proofs.
	1	10, 11	Algebra 2	Advanced algebraic topics including polynomials, complex numbers, and logarithms.
	1	11, 12	Precalculus	Students analyze mathematical models, solve complex equations, and develop problem-solving skills necessary for college-level mathematics.
	1	11, 12	AP Precalculus	A rigorous course preparing students for AP Calculus, covering functions and their properties.
	1	12	AP Calculus AB	A college-level course on calculus concepts, including limits, derivatives, and integrals.
	1	11, 12	Statistics	An introduction to statistics, focusing on data analysis, probability, and statistical reasoning.
<b>Science</b>				
Bio, Chem, Physics I Required in order  4 years of science is recommended	1	9	Biology	A foundational life science course covering cellular biology, genetics, and ecosystems.
	1	10	Chemistry	An introductory course exploring the properties and behavior of matter through chemical reactions.
	1	11	Physics	This course introduces students to the fundamental principles of physics, including mechanics, energy, waves, electricity, and magnetism.
	1	12	AP Chemistry	An advanced course that covers complex chemical concepts and laboratory techniques accurately.
	1	12	AP Physics 1	A college-level physics course exploring mechanics, waves, and thermodynamics.
	1	12	Environmental Systems	A multidisciplinary study focusing on the interactions within environmental systems and human impact.
<b>Social Studies</b>				
	1	9	World Geography	An exploration of the world's cultures, populations, and geographic features.
	1	9	AP Human Geography	This course explores the patterns and processes that shape human cultures, societies, and landscapes around the world.
	1	10	WORLD HISTORY	This course examines the major events, civilizations, and cultural developments from ancient times to the modern era.
	1	10	AP World History	Students analyze cultural, political, economic, and social developments across different regions, emphasizing critical thinking, historical reasoning, and interpretation of primary and secondary sources.
	1	11	US History	A comprehensive overview of United States history from inception to the present.
	1	11	AP US History	An advanced course covering significant events and concepts in US history, preparing for the AP exam.
	0.5	12	AP Government	A study of the foundations, operations, and functions of the U.S. government.

Must be Taken in Order  4 years of SS Required  Government is Fall and Economics is Spring	0.5	12	Government	This course explores the principles, structures, and functions of government at local, state, and federal levels. Students examine political institutions, civic responsibilities, and the impact of government policies.
	0.5	12	AP Economics	An introduction to micro and macroeconomic principles through an AP lens.
	0.5	12	Economics	This course introduces fundamental economic concepts, including supply and demand, market structures, and personal finance.
<b>Art</b>				
First Three Arts Required for All, Senior Art Optional	1	9	Art and Media Communications 1	An introductory course covering fundamental techniques in art and media.
	1	10	Art and Media Communications 2	An advanced exploration of media production, design, and visual communication practices.
	1	11	Level 2: 2D Art	This course focuses on the development of skills in two-dimensional art forms, including drawing, painting, and design.
	1	12	Level 2: 3D Art	This course introduces students to three-dimensional art forms such as sculpture, ceramics, and spatial design.
<b>LOTE</b>				
Spanish I and II Required	1	9	Spanish 1	An introductory course in Spanish language acquisition focusing on vocabulary and basic grammar.
	1	9, 10	Spanish 2	Intermediate courses building on Spanish 1 to enhance language proficiency and cultural understanding.
	1	10, 11, 12	Spanish 3	An advanced course building on Spanish 2 on literature, cultural studies, and advanced language skills.
	1	11, 12	Spanish 4	An advanced course focusing on literature, cultural studies, and advanced language skills.
<b>Required</b>				
Required for All; This is the Flex Mod Course	NA	9, 10, 11, 12	Advisory	Selecting this once when ensure your ability to participate in a 40-minute flex mod session each day of the week for a total fo 5 activities each week. While some flex mod will be offered all year, others will be updated monthly so learnes can select those of interest throughout the year. These are intended to be engaging and enriching activiteis for learnes.
Required Elective if not completed in 8th grade	1	9, 11, 12	PE	1st Year Learners must sign up for this course. Other learners still needing this credit should also select this as their elective option this year.
	0.5	10	Health (online)	2nd Year Learners must sign up for this course. Other learners still needing this credit should also select this as their elective option this year. Being that this is a semester course, you will also need to select a .5 elective from the list in the section named "Other Electives."
	0.5	9, 10, 11, 12	Professional Communication	Students will learn how to craft clear and impactful written messages, improve verbal communication, and understand non-verbal cues.
<b>Other Electives</b>				
Semester Options for 10th Grade to accompany Health	0.5	10,11,12	Sociology	An introduction to the study of social behavior, institutions, and patterns of social relationships.
9 1.0 Credit Elective per year	1	11, 12	Animation I	A creative course focused on principles and techniques used in animation.
Juniors must Choose 1 Elective Course	1	10, 11, 12	Yearbook	A project-based course focusing on photography, journalism, and yearbook production.
	1	10, 11, 12	Theatre 1	An introductory course in theatrical production, focusing on performance, direction, and stagecraft.
	1	10,11,12	Entrepenuership	Students learn about business planning, marketing, finance, and innovation, developing skills to identify opportunities and turn ideas into viable ventures.
Seniors May Choose an Elective or they may Elect for Early Release	0.5	11, 12	Psychology	A course covering the fundamentals of psychology, exploring behavior and mental processes.
	0.5	10, 11	SAT Prep	This course prepares students for the SAT by teaching test-taking strategies, core content review, and practice with real exam questions.