

Mountain Island Charter School

High School Course Catalog 2018-2019

Course Name	Dept.	Course Description
English I	ELA	Students read, write, analyze and respond to a variety of literature genres. Critical thinking, research, grammar, and language skills are also important components of English I.
English I Honors	ELA	Students read, write, analyze and respond to a variety of literature genres. Critical thinking, research, grammar, and language skills are also important components of English I.
English II	ELA	Students read, analyze, and respond to world literature. Writing, critical thinking, research, grammar, and language skills are also important components of English II.
English II Honors	ELA	Students read, analyze, and respond to world literature. Writing, critical thinking, research, grammar, and language skills are also important components of English II.
English III	ELA	Students read, analyze, and respond to American literature. Writing, critical thinking, grammar, and language skills are emphasized.
English III Honors	ELA	Students read, analyze, and respond to American literature. Writing, critical thinking, grammar, and language skills are emphasized.
AP English Language and Composition	ELA	In addition to the requirements of English III, students study nonfiction prose style and rhetorical techniques based on selections from, but not limited to, essays, diaries, journals, letters, speeches, biographies, and autobiographies. Writing stresses the aims and modes of composition as well as argumentation.
English IV	ELA	Students read, analyze, and respond to British literature. Writing, critical thinking, grammar, and language skills are emphasized. Students also complete tasks related to college readiness.
English IV Honors	ELA	Students read, analyze, and respond to British literature. Writing, critical thinking, grammar, and language skills are emphasized. Students also complete tasks related to college readiness.
AP English Literature and Composition	ELA	The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.
Academic Support: HS ELA	ELA	This course provides an opportunity for specially designed English Language Arts instruction for the individual needs of regular education students. It may or may not include the following: core content assistance, learning strategies, and/or instructional support.

Foundations of Math I	Math	Ninth grade students that have not yet demonstrated on grade level performance in math will take Foundations of NC Math I for the first semester, followed by NC Math I in the second semester. Each course will require a two-period block during the school day, which will provide additional time and support for building the necessary skills for success in high school math courses.
Math I	Math	Math I provides students the opportunity to study concepts of algebra, geometry, functions, numbers and operations, statistics and modeling throughout the course. These concepts include expressions in the real number system, creating and reasoning with equations and inequalities, interpreting and building simple functions, expressing geometric properties and interpreting categorical and quantitative data.
Math II	Math	Math II continues a progression of the standards established in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.
Math II Honors	Math	Math II continues a progression of the standards established in Math I. In addition to these standards, Math II includes: polynomials, congruence and similarity of figures, trigonometry with triangles, modeling with geometry, probability, making inferences and justifying conclusions.
Math III	Math	Math III progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles.
Math III Honors	Math	Math III progresses from the standards learned in Math I and Math II. In addition to these standards, Math III extends to include algebraic concepts such as: the complex number system, inverse functions, trigonometric functions and the unit circle. Math III also includes the geometric concepts of conics and circles.
Essentials for College Math	Math	This math course consists of seven mandatory modules: algebraic expressions, equations, measurement and proportional reasoning, linear functions, linear systems of equations, quadratic functions, exponential functions and summarizing and interpreting statistical data.
Advanced Functions and Modeling Honors	Math	An in-depth study of modeling and applying functions. Home, work, recreation, consumer issues, public policy, and scientific investigations are just a few of the areas from which applications should originate.
Pre-Calculus Honors	Math	An honors-level study of trigonometry, advanced functions, analytic geometry, and data analysis in preparation for calculus. Applications and modeling are included throughout the course of study.
AP Statistics	Math	The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

AP Calculus AB	Math	This course provides a study of the concepts of calculus including functions, graphs, limits, derivatives and integrals and provides experience with its methods and applications. Course follows the College Board syllabus.
Academic Support: HS Math	Math	This course provides an opportunity for specially designed math instruction for the individual needs of regular education students. It may or may not include the following: core content assistance, learning strategies, and/or instructional support.
World History	Soc Stud	The World History course will address six (6) periods in the study of World History, with a key focus of study from the mid 15th century to present. The standards of this course are grouped in a way that reflects accepted periodization by historians. The learning standards of this course have been written to focus around a basic core of chronologically-organized periods and events in history in order to have a set of learning standards that can be reasonably taught and learned with some depth. Students taking this course will study major turning points that shaped the modern world.
World History Honors	Soc Stud	The World History course will address six (6) periods in the study of World History, with a key focus of study from the mid 15th century to present. The standards of this course are grouped in a way that reflects accepted periodization by historians. The learning standards of this course have been written to focus around a basic core of chronologically-organized periods and events in history in order to have a set of learning standards that can be reasonably taught and learned with some depth. Students taking this course will study major turning points that shaped the modern world.
Civics & Economics	Soc Stud	This course provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and micro economics and personal finance. The essential standards of this course are organized under three strands – Civics and Government, Personal Financial Literacy and Economics. Taken together these three strands should help to prepare students to become responsible and effective citizens in an interdependent world.
Civics & Economics Honors	Soc Stud	This course provides a framework for understanding the basic tenets of American democracy, practices of American government as established by the United States Constitution, basic concepts of American politics and citizenship and concepts in macro and micro economics and personal finance. The essential standards of this course are organized under three strands – Civics and Government, Personal Financial Literacy and Economics. Taken together these three strands should help to prepare students to become responsible and effective citizens in an interdependent world.

American History I	Soc Stud	American History I – Founding Principles will begin with the European exploration of the new world through Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution. This course will guide students as they study the establishment of political parties, America’s westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.
American History I Honors	Soc Stud	American History I – Founding Principles will begin with the European exploration of the new world through Reconstruction. Students will examine the historical and intellectual origins of the United States from European exploration and colonial settlement to the Revolutionary and Constitutional eras. Students will learn about the important political and economic factors that contributed to the development of colonial America and the outbreak of the American Revolution as well as the consequences of the Revolution, including the writing and key ideas of the U.S. Constitution. This course will guide students as they study the establishment of political parties, America’s westward expansion, the growth of sectional conflict, how that sectional conflict led to the Civil War, and the consequences of the Civil War, including Reconstruction.
American History II	Soc Stud	This course will guide students from the late nineteenth century time period through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times.
American History II Honors	Soc Stud	This course will guide students from the late nineteenth century time period through the early 21st century. Students will examine the political, economic, social and cultural development of the United States from the end of the Reconstruction era to present times.
Contemporary Issues Honors	Soc Stud	This course is designed to enable students the opportunity to further investigate and become knowledgeable about major issues that are occurring at the local, state, national, and global levels. This class will follow current events and investigate related social, political and economic issues. It is an open-ended course with emphasis on acquiring and analyzing information from a variety of sources and hypothesizing about the direction of the future.
Psychology Honors	Soc Stud	The elective course, Psychology, engages students in the understanding, articulation, and dissemination of psychology as a science. Students are introduced to psychology, with a focus on the scientific study of human development, learning, motivation, and personality. It emphasizes the empirical examination of behavior and mental processes and it infuses perspectives that foster students’ growth, development, and understanding of cultural diversity.

AP Psychology	Soc Stud	This course will follow the outline from the AP bulletin. Students will engage in an in-depth study of the discipline of psychology, its history, theoretical approaches, and contemporary research methods.
AP United States History	Soc Stud	This course follows the outline provided in the AP bulletin. Students are engaged in an in-depth study of American history from the colonial period to the present.
AP World History	Soc Stud	This course will follow the outline from the AP bulletin. Students will engage in an in-depth study of interactions among major societies, impacts of technology, social systems and structures, cultural developments, and change and continuity over time.
Earth & Environmental Science	Science	This course is designed to focus on the systems of the Earth, including matter, energy, geology, the origin and evolution of our earth and solar system, environmental issues and awareness, and cycling of water, matter, energy and nutrients through the Earth's system.
Earth & Environmental Science Honors	Science	This course is designed to focus on the systems of the Earth, including matter, energy, geology, the origin and evolution of our earth and solar system, environmental issues and awareness, and cycling of water, matter, energy and nutrients through the Earth's system.
Physical Science	Science	Students will continue the investigation of the physical sciences. This course will build a foundation for the study of the following conceptual strands: matter- properties and change; energy- conservation and transfer; forces and motion; and finally the interaction of energy and matter.
Biology	Science	This course is a laboratory-based science class in which students will study the cell, the molecular basis of heredity, biological evolution, interdependence of organisms, matter and energy, and organization in living systems and the behavior of organisms.
Biology Honors	Science	This course is a laboratory-based science class in which students will study the cell, the molecular basis of heredity, biological evolution, interdependence of organisms, matter and energy, and organization in living systems and the behavior of organisms.
Chemistry Honors	Science	This course is a laboratory-based science class in which students will study the structure and properties of matter as they explore chemical reactions, the structure of atoms, conservation and interactions of energy and matter.
Physics Honors	Science	This course is a laboratory-based science class in which students will study the fundamentals of the physical world of matter, energy, basic mechanics and particle physics.
AP Biology	Science	AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

AP Environmental Science	Science	AP Environmental Science is the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.
AP Physics	Science	AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.
Spanish I	World Lang	Spanish I focuses on the development of the listening, speaking, reading and writing skills needed for basic communication. Emphasis is given to the development of listening and speaking skills. Geography and cultures of the target language are taught as an integral part of language study.
Spanish II	World Lang	Spanish II continues the development of language skills. Culture is integrated as an on-going part of language study.
Spanish III Honors	World Lang	Spanish III Honors further develops the communication skills introduced in levels I-II. Cultural study is expanded to include information about the art, music, and literature of the cultures studied.
Spanish IV Honors	World Lang	Spanish IV Honors further develops the communication skills introduced in levels I-III. Students participate in activities that require them to use language for meaningful communication with others.
Health and Physical Education	Hlth and PE	This course includes teaching students to have the ability to access health information and services, navigate health institutions and act as an effective advocate to improve health for self, family and/or community. Students will also understand preventive physical and mental health measures, including proper diet, nutrition, exercise, risk avoidance and stress reduction.
Team Sports I	Hlth and PE	This course provides the learner with lifelong skills for participation in a physically active lifestyle. Students will demonstrate understanding of movement concepts, principles, strategies and tactics through performance. Responsible personal and social behavior will be evident in student's regular participation in physical activity outside the physical education class setting.
Team Sports II	Hlth and PE	This course promotes independent application of life long skills for participation in a physically active lifestyle. Students will master movement concepts, principles, strategies and tactics through performance. Responsible personal and social behavior will be evident in student's regular participation in physical activity outside the physical education class setting.
Team Sports III	Hlth and PE	This course further develops independent application of life long skills for participation in a physically active lifestyle, building upon the foundation set through Team Sports I-II. Students will refine movement concepts, principles, strategies and tactics through performance.

Weight Training I	Hlth and PE	This course is designed for students to meet and exceed their expectations for understanding, applying and testing fitness concepts, with a focus on skill-related fitness instruction.
Weight Training II	Hlth and PE	This course allows students to continue to develop skills associated with understanding, applying and testing fitness concepts, with a focus on skill-related fitness instruction.
Weight Training III	Hlth and PE	This course will focus on the continued development of the skills taught in Weight Training I-II. Students will develop independence properly applying skills mastered.
Physical Conditioning I (Women)	Hlth and PE	This course focuses on understanding, applying and testing gender-specific fitness concepts. These fitness concepts are centered around both health-related and skill-related fitness instruction, and research and evidence based methods are used to give students the best opportunity to achieve and maintain optimal health and learning.
Physical Conditioning II (Women)	Hlth and PE	This course extends the study and application of fitness concepts introduced in Physical Conditioning I (Women). These fitness concepts are centered around both health-related and skill-related fitness instruction, and research and evidence based methods are used to give students the best opportunity to achieve and maintain optimal health and learning.
Physical Education Activities: Football	Hlth and PE	Physical Education Activities courses are designed to engage and challenge students personally and to promote physical education outcomes, which include developing motor skill competency, understanding movement concepts, rigorous training and applying strategies unique to the specific content area.
Entrepreneurship I	CTE	In this course students evaluate the concepts of going into business for themselves and working for or operating a small business. Emphasis is on the exploration of feasible ideas of products/services, research procedures, business financing, marketing strategies, and access to resources for starting a small business.
Entrepreneurship II	CTE	In this course students develop an understanding of pertinent decisions to be made after obtaining financing to open a small business. Students acquire in-depth understanding of business regulations, risks, management, and marketing.
Principles of Business and Finance	CTE	This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management.
Apparel and Textile Production I Honors	CTE	In this course students are introduced to the apparel and textile industry in the area of design, textiles and apparel engineering. Emphasis is placed on students applying these design and engineering skills to create and produce apparel products.

Interior Design I Honors	CTE	This course engages students in exploring various interior design professions, while building the content knowledge and technical skills necessary to provide a foundational knowledge of the design industry. Emphasis is placed on design thinking and utilization of the interior design process; human, environmental and behavioral factors; color theory, elements and principles of design; hand sketching/digital design techniques, space planning, selection of products and materials for residential interiors; client relationship building and design communication techniques.
Personal Finance	CTE	Personal Finance prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances.
Computer Skills and Applications	Misc.	This introductory course is for students interested in gaining a basic understanding of computer skills and applications. Topics covered include computer hardware, software, 3D modeling and printing, programming (coding), multimedia development, website creation and design, network security and blogging.
Yearbook I	Misc.	Students learn basic photography, layout, and copy writing and assist in the production of the school yearbook.
Yearbook II	Misc.	Students learn advanced layout and design and produce the school yearbook.
Yearbook III Honors	Misc.	Students write extensively and serve as senior editors in the production of the school yearbook.
Yearbook IV Honors	Misc.	Students write extensively and serve as senior editors in the production of the school yearbook.
Internship-Classroom (10th-12th)	Misc.	Participating students are under the direction of school leadership and faculty. The Teacher Assistant Intern will receive instruction in assisting in the classroom and will directly support the classroom teacher(s). The specific duties of this role may include but are not limited to the following: <ul style="list-style-type: none"> • Assist in instructing and supervising children in classroom activities; • Help faculty prepare activities that support lesson plans; • Maintain classroom supply lists and inventory; • Help to maintain a clean and organized learning environment; • As directed, other classroom support functions as assigned
Internship-Office (10th-12th)	Misc.	Participating students are under the direction of the Front Office staff. The Office Assistant Intern will learn related skills and directly provide administrative and office support. The specific duties of this role may include but are not limited to the following: <ul style="list-style-type: none"> • Process incoming and outgoing correspondence; • Answer calls and direct inquiries to the appropriate staff member; • Making copies and collating documents; • Deliver materials and supplies; • As directed, other office support functions including creating and editing publications, preparing shipments and mailings, and working on special projects as assigned.

Vocal Music I	Arts Ed	This introductory course is for students interested in singing. Students study the fundamental skills of music, sight-singing, proper vocal production, and vocal health. Choral music study involves listening, describing, and evaluating music. Students also study basic vocal health and wellness issues.
Vocal Music II	Arts Ed	This course includes students of varied vocal talents and abilities. Students should have a general understanding of music theory and notation, sight-reading, and a willingness to sing actively each day. Vocal Music II incorporates a variety of music ranging from historical choral literature to the music of today. Participation in after-school rehearsals and performances is expected.
Vocal Music III Honors	Arts Ed	This course utilizes a small performing group of mixed voices, which requires the highest level of technical skill and the ability to perform music in a variety of meters and keys.
Beginning Band	Arts Ed	This course is an introductory level class for students with no instrumental experience. As a performance-based class, students develop fundamental skills of music, characteristic tone production, terminology, posture, intonation, and expressive skills through ensemble playing and the study of simple band literature.
Concert Band	Arts Ed	This course is an intermediate to advanced level class for students with instrumental experience. As a performance-based class, students continue to develop fundamental skills of music, characteristic tone production, terminology, posture, intonation, and expressive skills through ensemble playing. Students will generate specific criteria for evaluating the quality and effectiveness of music and apply criteria in personal participation in music.
Musical Theatre I (Vocal)	Arts Ed	Musical Theatre I (Vocal) is a semester long course. The course includes an overview of the field of Musical Theatre, including career opportunities, historic trends, resource books, vocabulary terms, the creative process, analysis of song form, and techniques used in reading musicals.
Musical Theatre II (Vocal)	Arts Ed	Musical Theatre II (Vocal) is a semester long course. Students continue their study of Musical Theatre, including career opportunities, historic trends, resource books, vocabulary terms, the creative process, analysis of song form, and techniques used in reading musicals. Students will understand theatre etiquette and production conventions.
Musical Theatre III (Vocal) Honors	Arts Ed	Musical Theatre III (Vocal) is a semester long course. Students continue their study of Musical Theatre, building upon the themes already covered in Musical Theatre I (Vocal) and Musical Theatre II (Vocal). Students will apply skills related to theatre etiquette and production conventions through participation in school productions.
Theatre Arts I	Arts Ed	This is an introductory course for students with little or no theatre arts experience. Students will learn the fundamentals of theatre including: text analysis, basic acting and production skills, and the history of theatre.
Theatre Arts II	Arts Ed	Students will build upon the skills and techniques learned in Theatre I and develop full length performance pieces. Students will participate in class productions and film pieces.

Theatre Arts III Honors	Arts Ed	Students will build upon the skills and techniques learned in Theatre I-II through the study of acting teachers. Students are expected to produce performances and films for the whole school.
Theatre Arts IV Honors	Arts Ed	Students will build upon the skills and techniques learned in Theatre I-III through the study of acting teachers. Students are expected to produce performances and films for the whole school.
Technical Theatre I	Arts Ed	Students will learn the fundamentals of design and production including text analysis, scenic and costume designs.
Technical Theatre II	Arts Ed	Students will build upon the skills and techniques from Technical Theatre I to develop functional design concepts for school productions as well as assist in the execution of designs for main stage shows.
Technical Theatre III Honors	Arts Ed	Students will build upon the skills and techniques from Technical Theatre I-II to create and execute design plans for school musical theatre productions.
Technical Theatre IV Honors	Arts Ed	Students will build upon the skills and techniques from Technical Theatre I-III to create and execute design plans for school musical theatre productions.
Video Production	Arts Ed	Students would learn the process of planning, writing, and pre-production for a number of video based assignments. Students will learn how to use cameras on a basic point and shoot level to use manual controls to fine tune images. Students will learn how to set up shoots, plan out scenes, and several off camera techniques for creating video projects. Students will learn basic non-linear editing, digital effects, and sound design for video. Students will create a variety of video based projects from basic animatic stories, a weekly school news program, video reviews and tutorials, as well as small and large scale short films on campus.
Visual Arts I	Arts Ed	This is an introductory course for students interested in taking art. It provides intensive work with various drawing skills and media while introducing students to the basic vocabulary of art and design. Specific topics covered include drawing, color, architecture, painting, photography, graphics, printmaking and sculpture.
Visual Arts II	Arts Ed	This course is a continuation of study in visual arts through techniques and processes in the areas of drawing, painting, printmaking, sculpture and mixed media. Emphasis is placed on critical thinking and development of problem-solving skills. Students will begin to take a more personal approach in their art. Conducting critiques, evaluating works of art, and examining the economics of art is explored. Students will maintain an artistic journal and learn the process of maintaining a portfolio.
Visual Arts III Honors	Arts Ed	This course focus is the development of a personal voice and aesthetic in creating art. The advanced student must be self-directed and actively take ownership of their portfolio. Students will engage in personal and peer; formal and informal; oral and written critiques.
Visual Art IV Honors	Arts Ed	This course will further skills developed in Visual Arts I-III. Students will continue to develop independence and creativity in artistic design. Students will engage in personal and peer; formal and informal; oral and written critiques.

Film, Photography and Digital Art	Arts Ed	In this exploratory course, students learn the elements and principles of design, as well as foundational concepts of visual communication. While surveying a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they've learned. Students will work on using the foundations of photography using a DSLR camera and learn how to edit and manipulate photos. They will explore career opportunities in the design, production, display and presentation of digital artwork, as well as the history of film, photography, & digital art. Students will respond to the artwork of others, and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.
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Recommended Course Progression

English, Math, Social Studies, and Science

English (4 credits required)

English I
 English II
 English III
 English IV

Grade	Career Prep	College Prep
9th	English I	Honors English I
10th	English II	Honors English II
11th	English III	Honors English III -or- AP English Language and Comp
12th	English IV	Honors English IV -or- AP English Literature and Comp

Math (4 credits required)

Math I
 Math II
 Math III
 4th Advanced Math (Essentials, Advanced Functions, PreCalculus, or AP Statistics)

Grade	Career Prep	College Prep	College Prep
8th	N/A	N/A	Math I
9th	Foundations Math I/Math I -or- Math I	Math I	Honors Math II
10th	Math II	Honors Math II	Honors Math III
11th	Math III	Honors Math III	Honors Advanced Functions & Modeling -or- Honors PreCalculus
12th	Essentials for College Math -or- Honors Advanced Functions & Modeling	Honors Advanced Functions & Modeling -or- Honors PreCalculus -or- AP Statistics	Honors PreCalculus -or- AP Calculus -or- AP Statistics

Social Studies (4 Credits)

World History
 Civics and Economics
 American History I & II
 -or- AP US History & Social Studies Elective

Grade	Career Prep	College Prep
9th	World History	Honors World History
10th	Civics and Economics	Honors Civics and Economics
11th	American History I	Honors American History I -or- AP US History
12th	American History II	Honors American History II -or- Social Studies Elective (if AP US was taken in 11th grade) <i>Recommended Electives:</i> AP Psychology AP World History Honors Contemporary Issues

Science (3 Credits)

Environmental Science
 Biology
 A Physical Science (Chemistry, Physical Science, or Physics)

Grade	Career Prep	College Prep
9th	Environmental Science	Honors Environmental Science
10th	Physical Science	Honors Biology
11th	Biology	Honors Chemistry (Math 3)* Honors Physics AP Physics (PreCalc/Calc)*
12th	<i>Optional Electives:</i> Honors Anatomy & Physiology AP Biology AP Environmental Science Honors Chemistry (Math 3)* Honors Physics AP Physics (PreCalc/Calc)*	<i>Recommended Electives:</i> Honors Anatomy & Physiology AP Biology AP Environmental Science Honors Chemistry (Math 3)* Honors Physics AP Physics (PreCalc/Calc)*

*Co-requisite math courses are listed in parenthesis for Honors Chemistry and AP Physics. Student must have taken or be enrolled in listed math course to take.

GPA Scale (Grade/Quality Points)

Effective for students who entered high school 2015/16 and beyond

Standard	Honors	Advanced Placement/Dual Enrollment
Unweighted	Weighted	Weighted
A/4.0 B/3.0 C/2.0 D/1.0 F/0	A/4.5 B/3.5 C/2.5 D/1.5 F/0	A/5.0 B/4.0 C/3.0 D/2.0 F/0

Grade Point Average (GPA) Calculation

GPA is the total number of quality points divided by the total number of courses completed.

GPA is recalculated when grades are final (quarter grades/midyear grades are not final).

- To determine a weighted GPA, the total number of quality points (weighted and unweighted) is divided by the number of courses completed.
- To determine an unweighted GPA, the total number of quality points (disregarding the additional quality points for honors and AP/dual enrollment courses) is divided by the number of courses completed.