

2019-2020 Village High School Course Guide

English

<u>Grade Level</u>	<u>Standard Course</u>	<u>Honors/Concurrent Options</u>
9 th Grade	Freshmen Lit & Comp	Honors Freshmen Lit & Comp
10 th Grade	World Lit & Comp	Honors World Lit & Comp
11 th Grade	American Lit & Comp	Honors American Lit & Comp
12 th Grade	Comp & Lit 4	Honors Senior Comp & Lit AP English Lit & Comp
English based electives	Contemporary Lit & Comp, Creative Writing, Yearbook, Writing Lab, Communicating in a Complex World, Literature for Women, Film as Lit, Journalism, Publication, College Prep Comp	

<u>Course Title</u>	<u>Course #</u>	<u>Course Description</u>
Freshmen Lit & Comp	053100 A&B	This course emphasizes development of essential skills in reading, writing, speaking, listening, and vocabulary.
Hon Freshmen Lit & Comp	053105 A&B	This accelerated course is designed to engage students in higher order thinking skills and prepare them for the literature-based curricula in subsequent honors and AP classes.
World Lit & Comp	053115 A&B	This course emphasizes the study of world literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills.
Hon World Lit & Comp	053120 A&B	This accelerated course is designed to engage students in higher order thinking skills and prepare them for the literature based curricula in subsequent honors and AP classes. The students will become familiar with the general periods of world literature through representative significant works.
American Lit & Comp	053145 A&B	This course emphasizes the study of American literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills.
Hon American Lit & Comp	053150 A&B	This accelerated course is designed to engage students in higher order thinking skills and prepare them for the literature based curricula in subsequent honors and AP classes. The students will become familiar with the general periods of American literature through representative significant works.
Comp & Lit 4	050025 A&B	This class prepares seniors for freshman college English composition courses and introduces a spectrum of traditionally canonical literature with which college-bound students are expected to be familiar. Students will write analyses of literature as well as a variety of essays including narration, description, persuasion and exposition.
Honors Senior Comp & Lit	054210 A&B	The course will prepare students for post-secondary reading and writing expectations and study. This course will prepare students for the types of writing tasks common in post-secondary pursuits. The course will familiarize students with various modes of discourse, research methods, and elements of rhetoric and style. The course will reinforce grammar and mechanics.
AP English Lit & Comp	054000 A&B	At the conclusion of this course students will be prepared for and expected to take the AP exam for potential college credit. AP courses are not college preparatory – they are considered college-level courses. Students engage in careful reading and critical analysis of imaginative literature from a variety of perspectives and for a variety of audiences.

Contemporary Lit & Comp	053200	Through this course, students will develop an understanding of trends in fiction, drama, film, personal essay and poetry. Reading materials will be selected from a variety of print genres. Analysis and class discussion of texts and writing about social issues will be emphasized.
Creative Writing	054200	In this course, students will explore many writing genres. The goal of the course is to help students identify quality writing and to realize the importance of accurately observing and interpreting their surroundings.
Yearbook	054900	This class is responsible for the production of the school's yearbook. Students will learn various types of software involved in publishing as well as basic principles of journalism, publishing, and layout design.
Writing Lab	054215	The Writing Lab is for students needing assistance in writing skills such as grammar, sentence structure, vocabulary, coherence, and appropriate word choice in order to meet the Colorado Academic Standards at their grade-level. Students would be concurrently enrolled in their grade-level English course. Enrollment will be for one semester with the capability of continuing more semesters as needed.
Communicating in a Complex World	051050 A&B	Students apply academic English Language Arts skills to authentic audiences with relevant contexts. Critical inquiry of informational texts, writing and speaking to persuade and inform, and collaboration with others are tenants of this course. Students connect learning to the professional world around them and develop strategies for successful communication.
Women in Literature	053908	Students who enroll in this course will have the opportunity to explore literature by and about women.
Film as Lit	053900	Through this course, students will analyze film as a record of human experience while focusing on the literary elements inherent in the film genre.
Journalism	054305 A&B	Students will learn aspects of journalistic writing and production with emphasis on copy, design and photography. Students will practice interviewing techniques, write headlines and sub heads, and use the inverted pyramid format. Importance of editing and proofreading will be stressed.
Publication	054910	This course is a beginning publications course that will explore interviewing techniques, news writing, feature news writing, editorial writing, and investigative reporting. Students will learn various types of software involved in publishing as well as layout design. The importance of editing and proofreading will be stressed.
College Prep Comp	054210 A&B	The course will prepare students for post-secondary reading and writing expectations and study. This course will prepare students for the types of writing tasks common in post-secondary pursuits. The course will familiarize students with various modes of discourse, research methods, and elements of rhetoric and style. The course will reinforce grammar and mechanics.

Math

Grade Level	Standard Course	Honors/AP/Concurrent Options
9 th Grade	Algebra I	Honors Geometry, Honors Algebra 2
10 th Grade	Geometry	Honors Algebra 2, Honors Pre-Calculus
11 th Grade	Algebra 2	Honors Pre-Calculus
12 th Grade	Pre-Calculus	AP Calculus AB
Math based electives	Consumer Math, ACT/SAT Math Review, Accounting 1, Algebra Skills, Math Lab	

Course Title	Course #	Course Description
Algebra I	111100 A&B	Topics consisting of analyzing and solving linear equations, pairs of simultaneous linear equations and functions will be further developed. Students will construct, compare, solve, and analyze linear, quadratic, and exponential functions and inequalities as well as perform arithmetic operations on polynomials. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice. This course will cover the same standards and rigor of a high school Algebra 1 course.
Geometry	116010 A&B	Topics consisting of Pythagorean Theorem, congruence and similarity will be further developed. Students will prove geometric theorems involving similarity, transformation, and congruence of two-dimensional and three-dimensional figures using inductive and deductive reasoning and constructions. Students will solve problems and model real-world situations involving two-dimensional and three-dimensional figures, trigonometric ratios, probability, and Personal Financial Literacy. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice. This course will cover the same standards and rigor of a high school Geometry course.
Hon Geometry	116020 A&B	Honors Geometry covers topics in two-dimensional and three-dimensional figures including lines, planes, angles, polygons, coordinate geometry, circles and polyhedrons. Topics integrate algebraic concepts and use inductive and deductive reasoning to develop geometric proofs. Problems are linked to real world applications with an emphasis on graphing, vocabulary, and technical writing. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.
Algebra 2	111200 A&B	Topics in previous algebra courses are built upon, and the additional topics of polynomials, rational, exponential, and logarithms functions, as well as, matrices, complex numbers, sequences and series, probability and statistics, and trigonometry are presented. Graphing calculators will be used to promote understanding of advanced concepts and develop graphical and numeric solutions. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized.
Hon Algebra 2	111205 A&B	Topics in previous algebra courses are built upon, and the additional topics of polynomials, rational, exponential, and logarithms functions, as well as, matrices, complex numbers, sequences and series, probability and statistics, and trigonometry are presented. Graphing calculators will be used to promote understanding of advanced concepts and develop graphical and numeric solutions. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized. This course is designed to strengthen abstract reasoning and critical thinking skills. Strong performance in pre-requisite courses is essential to meet the increased expectations.

Pre-Calculus	113000 A&B	Pre-Calculus builds upon topics covered in Algebra 2 and FST. Additional topics include analytical geometry, vectors, polar coordinates, and introductory calculus. Problems are linked to real-world applications with an emphasis on graphing, vocabulary, and technical writing. This course is designed to prepare students for calculus and college mathematics.
Hon Pre-Calculus	113005 A&B	Topics in Algebra 2 and FST are built upon, and the additional topics of analytical geometry, vectors, polar coordinates, and introductory calculus are presented. Problems are often linked to real-world applications and graphing, vocabulary, and technical writing will be emphasized. This course is designed to strengthen abstract reasoning and critical thinking skills as well as to prepare students for college mathematics and calculus. Strong performance in pre-requisite courses is essential to meet the increased expectations.
AP Calculus AB	113100 A&B	Advanced Placement Calculus AB builds upon algebraic and geometric principles covered in Pre-Calculus. Applications involve limits, differentiation, and integration tied to topic including related rates, graphical analysis, integral areas, and volumes of revolution. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement Calculus AB exam for potential college credit.
Consumer Math	115100 A&B	Consumer Math is a course designated to reinforce and integrate basic computational skills with real-life skills needed to become a careful and competent consumer. Topics include purchasing goods and services, investing money, checking and savings accounts, taxes, and dealing with the everyday mathematics of today's society.
ACT/SAT Math Review	119001	Designed to be taken the semester before attempting the ACT or SAT, this course will review elements of the mathematical concepts and skills that are part the ACT or SAT standardized tests. While not directly providing direct practice with test-taking skills, this course will provide lessons, reviews, and practice problems as one part of the process students may use in preparation to take these tests.
Accounting 1	112900	Whether college-bound or going directly into the business world, this course is for anyone interested in learning the "language of business." Students will perform manual as well as computerized accounting activities. Topics may include transaction analysis, worksheet and financial statement preparation, accounting for sole proprietorships, partnerships and corporations, special journals, and payroll systems. Periodic job simulation projects will provide realistic job experiences.
Algebra Skills	111120 A&B	Algebra Skills is a course that uses an artificially intelligent assessment and learning system of a web-based program. This program uses adaptive questioning to quickly and accurately determine exactly what a student knows and does not know in a course. The program then instructs the student on the topics he/she is most ready to learn. As a student works through a course, he/she will be periodically reassessed to ensure that topics learned are also retained. This course should be taken by students who need additional resources and time to master Algebra concepts.
Math Lab	119005 A&B	A member of the math faculty staffs this specialized study hall and provides help in all areas of mathematics as is appropriate for each individual's situation. Students may register for both fall and spring semester.

Science

<u>Grade Level</u>	<u>Standard Course</u>	<u>Honors/AP/Concurrent Options</u>
9 th Grade	Earth Science	Honors Biology
10 th Grade	Biology	Honors Chemistry
11 th Grade	Chemistry	Honors Physics, AP Biology
12 th Grade	Anatomy & Physiology, Physics, Physical Science, Marine Biology, Geology-Paleontology, Environmental Science, Forensic Science, Science in the Imagination, Exploration of Mars Science, Science of Sports, Intro to Medicine, Space Explorations, Renewable Energy	

Course Title	Course #	Course Description
Earth Science	134000 A&B	Earth Science is a lab-centered course covering subjects in geological and astronomical science. In addition, Earth Science explores how science, technology, and human activity can affect the world.
Hon Biology	132020 A&B	Honors Biology provides crucial background in the life sciences arena. Honors Biology studies all topics included in Biology. Students are exposed to advanced biology topics such as advances in biotechnology, bio-ethics, problems of ecological systems, plant tissue culture, and/or microbiology. Students are expected to work in an independent manner and complete the significant laboratory and writing component of this course. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.
Biology	132015 A&B	Biology provides crucial background in the life sciences arena. Topics covered include basic cell structure, function, and processes; genetics; microbiology; evolutionary concepts and trends; taxonomy of plants and animals (including dissection); basic vertebrate and invertebrate biology; basic ecology; and human biology. This course focuses on the world around us through the use of hands on examples.
Hon Chemistry	133120 A&B	Honors Chemistry is the study of the properties, changes and interactions of matter. Topics covered include principles of chemical change, chemical formulas, equations and their application, atomic theory, the Periodic Table, acids and bases, phases of matter, solutions, and thermodynamics. Additionally, the topics of equilibrium, electrochemistry, organic chemistry are also covered. There is a significant laboratory component to this course and emphasis is placed on problem solving, analytical lab techniques, and scientific writing. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.
Chemistry	133115 A&B	Chemistry is the study of the properties, changes and interactions of matter. Topics covered include principles of chemical change, chemical formulas, equations and their application, atomic theory, the Periodic Table, acids and bases, phases of matter, solutions, and thermodynamics. There is a significant laboratory component to this course as well as the ability to use mathematics to solve problems.

Hon Physics	133205 A&B	Honors Physics explores the science of matter and energy and the interactions between the two. Topics include kinematics, Newton's 3 Laws of Motion, momentum, energy, the principles of waves, light, magnetism, electricity, optics, celestial mechanics, thermodynamics, and nuclear physics. Students will apply mathematics through a variety of means such as lab skills, lab designs, and/or class presentations. Applications in this course are designed to strengthen abstract reasoning and critical thinking skills.
Anatomy and Physiology	132000 A&B	Anatomy and Physiology students study the major systems of the human body. Topics covered include the basic anatomical make-up of the body's organs, as well as how these organs function. There is a significant laboratory component to this course, including microscopic work, and dissection. Lectures, videos, and research will be used.
Physics	133200 A&B	Physics is a lab-based course that explores the science of matter and energy and the interactions between the two. Topics include kinematics, Newton's 3 laws of motion, momentum, energy, the principles of waves, light, magnetism, electricity, optics, and celestial mechanics. The ability to use mathematics to solve experimental problems is emphasized.
Physical Science	130000 A&B	Physical Science covers the physics topics of motion, forces, energy, light, optics, electricity, and magnetism as well as the chemistry topics of atomic structure, changes in matter, changes in energy and laboratory methods and measurements.
Marine Biology	134410	In this course, students will learn about the physical structure and chemistry of the ocean, the diversity of ocean life, marine ecology, and the scope and impact of human interactions with the oceans. Laboratory activities reinforce concepts and principles presented.
Geology – Paleontology	134205	Paleontology is the study of prehistoric life as represented by fossils of plants, animals, and other organisms. Topics covered include methods of dating rocks and fossils, evolution of life on earth, and physical anthropology. Students complete labs, projects, and perform research.
Environmental Science	132405	Environmental Science explores the natural world from an ecological and human point of view. Topics covered include types of ecosystems, non-living and living components of ecosystems (including plants, animals, bacteria, fungi, and single-celled organisms), interactions between the non-living and living components, population studies, and animal behavior. In addition, this course also examines discussions on environmental law, economics, ethics, and how humans are impacting the natural world. Lab investigations, field studies, and research projects are undertaken to examine each topic.
AP Biology	132025 A&B	AP Biology meets the objectives of a college level general biology course. Topics covered include molecular biology, genetics, evolution, animals, and plants. Tests are the major form of evaluation. This course has a lab component. At the conclusion of this course students will be prepared for and expected to take the Advanced Placement exam for potential college credit.
Forensic Science	139000	Forensic Science is a year-long lab-based science course. The course will focus on crime scene investigations, evaluation of evidence, and presentation of findings in the appropriate settings. Topics covered will include the legal aspects and technology of forensic science; trace evidence; serology; forensic anthropology; DNA analysis; glass, paint, and soil analysis; toxicology; questioned documents and handwriting; ballistics, tool marks, and arson; and forensic science in the media and in popular culture. This course will position students to pursue further studies in biology, chemistry, physics, and related fields.
Science in the Imagination	131010	Stretch your imagination with this course. Experience some great literature and movies then explore the good and bad science behind the fiction. This class will combine reading, writing and scientific principles including forensics. Students will perform hands on experiments and activities. They will then present findings to the class.

Exploration of Mars Science	134500A	Exploration Mars students study topics associated with space travel and exploration. Teamwork, independent research, and problem solving are emphasized and the Internet and computer software are heavily relied upon. Additional topics such as technology spin-offs, orbitology, propulsion, advanced life support and human requirements, plant production and resources recycling in a Bioregenerative Life Support System are included. In the culminating project, students develop a Mars habitat. This task is performed underwater to simulate microgravity and requires training on and using SCUBA equipment. Upon successful completion of both the math and science components, students receive 2 math and 2 science credits.
Science of Sports	132060	The Science in Sports class will investigate sports through a mathematical (Inclusive of physics) and biomechanical pathway. Students will investigate seasonal sports, first by analyzing the physics of such sport, and then by a biomechanical and physiological analysis. Students will utilize video analysis tools as well as other lab equipment for such analysis. The student will also report back to the athlete/coach (if applicable) their scientific findings in a formalized written format.
Intro to Medicine	071030	This non-laboratory science course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students review basic human anatomy and physiology, then study major health concerns. This comprehensive course examines such topics as human development, nutrition, medical ethics, mental illnesses, infectious disease, cancer, traumatic injuries, and healthcare career options.
Space Explorations	134510	Students will learn about space travel by examining systems required for manned and unmanned missions. Students will also receive an introduction to the technologies of satellites, the International Space Station, and what the future holds for space exploration.
Renewable Energy	139080	Students will explore sustainable and innovative ways to meet global energy needs.

Social Studies

Grade Level	Standard Course	Honors/AP/Concurrent Options
9 th Grade	World Geography	Honors World History
10 th Grade	World History	Honors US History
11 th Grade	US History/Geography, Civics & Law	Honors Civics/Honors Economics, AP US History
Other	Psychology, Advanced Psychology, Sociology, Economics, Colorado History/Geography, Personal Finance, Current Legal Issues, Exploration in Western Philosophy, Ancient Civilizations, Contemporary Problems, International Relations, Pop Culture, Colorado History, Voices in Conflict, International Relations, American Pop Culture, 21 st Century Modern Issues, Contemporary Problems	

Course Title	Course #	Course Description
World Geography	154000 A&B	World Regional Geography develops a view of the world through the study of cultural and physical geography. Emphasis is placed on our natural environment, cultural regions, and geographic aspects of man's contemporary economic, social, and political conditions. Interrelationships of climate, vegetation, soils, landform, and environmental impacts are studied. Map reading, map interpretation, and the skills necessary to accomplish these tasks are studied.
Hon World History	155910 A&B	Honors World History/Geography examines the major developments of world history from ancient civilizations to the modern era. This class is an advanced study of the cause and effect relationships that shape the modern world with an emphasis on politics, economics, geography, and social change. It is targeted to highly motivated students who desire an in-depth investigation of world history through research, projects, advanced essay writing, and critical thinking exercises.
World History	155905 A&B	This course examines the major developments of world history from ancient civilizations to the modern era. Students will learn cause and effect relationships with an emphasis on political, economic, geographic, and social forces that shape the modern world.
Hon US History/ Geography	155510 A&B	Honors US History/Geography is an advanced course in US History from the pre-colonial times to the present. Emphasis is placed on essay writing while studying cause and effect through inventions, discoveries, great people, geography, and politics.
AP US History	155525 A&B	AP US History meets the objectives of a college level US History course and meets the US History graduation requirement. This course covers the colonial period through the twentieth century incorporating critical essay writing and the interpretation of primary historical evidence. Supplemental reading of documents, essays, and books are used. All students are expected to take the AP exam for the purpose of earning college credit.
US History & Geography	155505 A&B	US History/Geography is a survey course of US History from the pre-colonial period to the present. The course is designed to develop an understanding of the birth and growth of the US to include people of varied backgrounds. Emphasis is placed on the cause and effect of relationships found throughout our nation's history and geographical development as well as relationships between history and politics/economics.

Civics and Law	157105	Civics and Law provides a basic understanding of the design and operation of federal, state, and local governments. Relationships between the citizen and the government are explored, and the student develops an understanding of the significant role of the citizen in American democracy. The students become familiar with the American legal system and their rights and responsibilities as citizens.
Hon Civics and Law	157110	Honors Civics and Law provides an advanced study of the design and operation of federal, state, and local governments. Relationships between the citizen and government are explored and the student will understand the significant role of the citizen in American democracy. The students become familiar with the American legal system and their rights and responsibilities as citizens. The course relies heavily on in-depth study through projects, research, and extensive writing and analysis.
Hon Economics	153005	Honors Economics studies the basic concepts of scarcity, opportunity cost, economic systems, and supply/demand. Topics covered include an understanding of the basic economic information distributed by mainstream media such as the unemployment rate, gross domestic product, inflation rate, monetary and fiscal policy, and how the economic decisions made by individuals, governments, and businesses impact members of society. This course integrates a wide variety of learning/teaching strategies including in-depth writing, evaluation through hypothesis, independent readings, and synthesizing a variety of materials.
Psychology	158000	Psychology studies the basic psychological theories and how they are applied. Possible topics of this survey course include neurobiology, sensation and perception, development, learning, memory, disorders and treatment, and social psychology. Discussion is an integral part of this class and students are expected to share ideas and be respectful of others' beliefs and opinions.
Advanced Psychology	158005	Advanced Psychology is an upper level elective based upon the principles formulated in the introductory courses of psychology. Major emphasis is also placed on personality theory and abnormal behavior. This emphasis requires further understanding of abnormal psychology. As abnormal behavior is researched, the learner will be able to link our biology and environment. The subject material will be taught at the college prep level, however, the instructor will progress at a speed suitable for high school students.
Sociology	151000	Sociology studies the basic components of society. Topics covered include culture, conformity and adaptation, family, cultural diversity, social movements, racial and ethnic relations, and deviance and social control. Small and large groups discussions are emphasized as are reading comprehension and writing skills.
Economics	153000	Economics studies the basic concepts of scarcity, opportunity cost, economic systems, and supply/demand. Topics covered include an understanding of the basic economic information distributed by mainstream media such as the unemployment rate, gross domestic product, inflation rate, monetary and fiscal policy, and how the economic decisions made by individuals, governments, and businesses impact members of society.
Colorado History & Geography	152300	This course is designed to offer the learner an opportunity to better understand Colorado's history and diverse geography. Learners will study and develop an appreciation for Colorado's pre-history, Native Americans, frontier life, settlers, politics, and a variety of peoples who inhabit this beautiful state. The learner will be expected to know Colorado's physical geography including its mountains, plains, valleys, plateaus, mesas, and rivers. The learner will be able to explain and understand Colorado's economic base and diversification. The learner will come to know the many people who have contributed to the state's and nation's history. The learner will be able to identify Colorado's towns and cities and analyze the challenges facing Colorado today and in the future.

Personal Finance	153015	This course surveys the basic personal financial needs and emphasizes the basics of budgeting, saving, checking, investments, credit, the wise use of insurance, and paying and preparing income tax returns.
Current Legal Issues	157120	Current Legal Issues is designed to teach legal issues in a case study method. Students study issues relating to individual rights, criminal law, and equality. Projects are a required element in this course, with emphasis placed on technology literacy.
Exploration in Western Philosophy	156000	Explorations in Western Philosophy studies the history of the important traditions in thought known as "Western Philosophy." Students trace the development of philosophy's answers to questions such as: "What is justice?" "What makes us human?", and "What is knowledge?" Student activities focus on discussion and debate.
Ancient Civilizations	155800	Ancient Civilizations traces man's struggle for civilization from early times to the decline of the Roman Empire. Topics covered include developments in the ancient Near East (Egypt, Mesopotamia, Israel), India, China, classical Greece, and classical Rome. The course introduces major historical figures and events, and searches for the origin of many aspects of contemporary life.
Contemporary Problems	157305	Issues of global, national, and local importance will be explored in this semester long class. Through newspapers, magazines, internet and special reports, students will expand their understanding of how global issues affect us personally as well as how an individual can affect the world. Students will also explore the idea that the way information is presented to us greatly affects the way we perceive it. Some of the topics covered in this class include terrorism, bullying, illegal drugs, the environment, and the global economy.
International Relations	157310	In the International Relations class, students develop an understanding of current international politics and develop a basis for analyzing and evaluating decisions that affect the world states. Global interdependency is stressed in political, economic, and social relationships.
American Pop Culture	151600	American Popular Culture examines the 20th century and its dramatic evolution in history, culture, and social ideals. Over the course of this century, Americans have experienced two world wars, civil rights protests, the military, and social tension of the Vietnam conflict, the birth of jazz and rock n roll, and the British invasion which brought the introduction of pop music. The stage and screen have skyrocketed into the forefront of popular entertainment and also developed into a powerful medium for social comment. Topics covered include history through music, plays, movies, people, and performances that have helped to make this century so exciting. While reading and writing are emphasized, the class also studies novels, films, plays, music, interviews, and experts. Students are expected to read outside material provided by the instructor. This course may not be substituted for U.S. History credit.
21st Century Modern Issues	157300 A&B	20th Century and Modern Issues covers the major people, events, struggles, problems, issues, concerns, and movements of the 20th and 21st Centuries. This course investigates and traces the cause and effects of military conflicts, societal and cultural movements, international human rights concerns, and changes in technology and industry in both centuries. Topics and concerns are covered from both American and international perspectives.
Contemporary Problems	157305	Students will study issues of global, national, and local significance. They will develop an understanding of causes, effects, and influences pertinent to contemporary issues.

Physical Education/Health

Grade Level	Options
9 th Grade Signature Elective	Health & Wellness
Village Options	Intro to PE, Sports Training, Lifelong Rec Sports, Weights & Fitness 1, Weights & Fitness 2, Lifelong Team Sports 1, Lifelong Team Sports 2, Individual Life Sports, Individual & Team Sports, Co-Ed Cross Training, Total Fitness, Rocky Mountain High, Outdoor Fitness

Course Title	Course #	Course Description
Health and Wellness	081000	Health and Wellness or Modified Health and Wellness is a graduation requirement for Academy District 20 and is to be taken during the freshman year. Students will be introduced to the social, physical, mental and emotional aspects of healthy lifestyles. This course includes human sexuality.
Intro to PE	080000	This is a recommended freshman class in which the student will assess personal fitness status in terms of cardiovascular endurance, muscular strength and endurance, and flexibility. Students will be introduced to various team and aquatic (where facilities are available) activities on the introductory level.
Sports Training	083815	This class is designed to create special weights and fitness programs for students in a sport or athletic activity, both in-season and out-of-season. The class is fitness intensive and designed for students who desire vigorous cardiovascular exercise and strength training.
Lifelong Recreation Sports	084000	This class places an emphasis on lifelong activities that may include activities such as golf, archery, bowling, cycling, tennis, aerobics, roller skating, badminton, aquatic activities, board games, juggling, weights and other special recreational activities. Conditioning and fitness will be included through various aerobic activities.
Weights and Fitness 1	083215	This class will focus on activities to enhance physical fitness: strength, speed, and endurance. Students will gain an appreciation of exercise for life-long fitness. Strength training, utilizing a weight program combined with supplemental lifts and exercises, is the basis of the class. Running, plyometrics, agility, flexibility work, and speed development activities are utilized in the class. Knowledge of muscle groups and specific exercises to enhance muscular development are included.
Weights and Fitness 2	083220	This class continues to build on the foundation established in Weight and Fitness 1. Strength training, utilizing an advanced weights program combined with supplemental lifts and exercises, is the basis of the class. Running, plyometrics, agility and flexibility work, and speed development activities will continue to be utilized.
Lifelong Team Sports 1	083800	The learner will demonstrate the fundamentals and basic skills in many of the following recreational activities: basketball, flag football, floor hockey, soccer, softball, team handball and volleyball. The learner will participate cooperatively and ethically when in competitive physical activities. Conditioning and fitness through various activities will be required.
Lifelong Team Sports 2	083805	This class will build on and include advanced concepts in many of the following recreational activities: basketball, flag football, floor hockey, soccer, softball, team handball, and volleyball. The learner will participate cooperatively and ethically when in competitive physical activities. Conditioning and fitness through various activities will be required.
Individual Life Sports	083500	This class places an emphasis on leisure time activities such as golf, bowling, cycling, tennis, racquet sports, skating, badminton, board games, weights, and personal fitness. Fees may be charged for optional field trips.

Individual and Team Sports	083025	This course will include the basic skills, movements, and strategies necessary to participate in a variety of activities in a recreational format. An emphasis on sportsmanship, collaboration, and physical activity for fun will be the focus.
CO-ED Cross Training	083000	This course is specifically designed to provide all students with a personal fitness plan. Students will monitor their individual aerobic and anaerobic fitness progress. Students will be introduced to a variety of activities such as water aerobics, weight training, plyometrics, flexibility, jogging and much more. "Be fit, never quit" is a major lifetime goal for all in this class. Nutrition and proper eating habits will be detailed.
Total Fitness	083205	This class will incorporate various types of fitness activities aimed at improving cardiovascular fitness, flexibility, and strength. Activities may include floor aerobics, kickboxing, Tae-Bo, running, hiking, walking, interval training, resistance strength training, Pilates, yoga, slide training, fitball, and biking.
Rocky Mountain High	083600	This class offers different activities that are geared to enhance the student's self-confidence, social awareness, problem solving, and leadership potential. The activities may include team-building initiatives, low and high ropes course elements, climbing, rappelling, belaying, and orienteering. Students may be required to keep a journal for the class.
Outdoor Fitness	084409	This course is designed to accommodate the needs of those students who have a restricted schedule. The class will be taught outside the traditional school day, after school, and on weekends. Students will have the opportunity to learn and be involved in outdoor lifelong fitness activities. These activities include strength training, hiking, mountain biking, backpacking, camping, snowshoeing, fishing, and rafting. The student needs to be highly motivated towards outdoor adventure activities. Student responsibilities include the production of our outdoor magazine, "Rocky Mountain Unleashed." This will provide an avenue for students to write in a meaningful way, as well as to promote fitness to other students and adults.

Foreign Language

Grade Level	Options
Year 1	Spanish 1 or American Sign Language 1
Year 2	Spanish 2 or American Sign Language 2
Year 3	Spanish 3
Year 4	Spanish 4 or AP Spanish

Course Title	Course #	Course Description
Spanish 1	062063 A&B	Students learn to communicate in Spanish using various methods. Simple conversational language and grammar related to personal interests and Spanish culture are used to draw connections and make comparisons.
American Sign Language 1	062095 A&B	American Sign Language is a manual language which entails vocabulary, grammar, sentence structure, and body movement to express meaning for communication. Lessons or units also include cultural aspects to help the student understand and interact with the Deaf. Students are introduced to these aspects in units, which are ordered in a manner to build upon the previous units. Lessons are structured around language needed or common life situations. Major concepts are reinforced through reading materials, video, cooperative learning activities, and long-term assignments. All assignments are introduced to fulfill District 20's standards for world language.

Spanish 2	062067 A&B	Level 2 builds on skills and knowledge of level 1 with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements.
American Sign Language 2	062096 A&B	American Sign Language (ASL) is a manual language which entails vocabulary, grammar, sentence structure as well as body movement to express meaning for communication. ASL II will build upon ASL I with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language.
Spanish 3	062071 A&B	In level 3, students will initiate and engage in increasingly complex conversations, express thoughts using higher level vocabulary in speaking and writing, and will develop increased accuracy in grammar and written conventions. Students will communicate in a variety of cultural contexts, extracting information from authentic sources.
Spanish 4	062077 A&B	In this class students will apply accumulated skills and continue to develop higher level vocabulary, sentence structures, and patterns. Students will strengthen understanding of their own language while further expanding communication skills in familiar and unfamiliar contexts. Cultural experiences and knowledge are core components of this class.
AP Spanish	062083 A&B	In this class, student communication, both written and oral, will be increasingly spontaneous, culturally appropriate, and developed at a higher level. Students will inquire, analyze, synthesize, and evaluate information from a variety of sources.

Fine Art

Grade Level	Options
Any	Art 1, Art 2, Art 3, Art 4, Computer Graphic Design 1, Digital Photography 1, Contemporary Art Appreciation, Honors Art History, Ceramics, Theater/drama 1, Music Appreciation, Piano, Beginning Guitar, Art in Public Places

Course Title	Course #	Course Description
Art 1	020000	Students will receive instruction in the skills of basic drawing and painting. Students will explore basic techniques and subject matter. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, water color and tempera.
Art 2	02005	Students will receive instruction in the skills of intermediate drawing and painting. Students will expand their knowledge and application of drawing and painting techniques. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, water colors, tempera, pastels, sanguine and sepia, and conte crayon.
Art 3	020010	Student will receive instruction in the skills of advanced drawing and painting. Students will continue to develop personal style and complex problem solving skills as evidenced in the development of their portfolio.
Art 4	020015	Students will work in the media of their choice, developing advanced technical skills and personal style while addressing problems of creative expression. Mixed media and use of new media will be addressed. Students will be expected to create two "show quality" art pieces.

Computer Graphic Design 1	026025	Students will learn to use the computer as a tool for creating their own work and for manipulating digitized images. Students will use Adobe applications, as well as digital imaging devices, to create a variety of 2D projects, which may include story illustrations, juxtapositions, and original works of art. Final project is to create a portfolio in hard copy and electronically showcasing the student's skills.
Digital Photography 1	026050	Using computers and state of the art software, students will learn how to plan and produce photographic compositions that demonstrate an understanding of light, composition, color, and visual impact. Students will be introduced to the history of photography and visual communication. A final web based portfolio of images may be produced for exhibition. This is a foundation course provides a background for further work in photography and digital media. Notebook required.
Contemporary Art Appreciation	029100	Students will experience a living history of contemporary art and be introduced to innovative artists from diverse geographic, ethnic, cultural, and artistic backgrounds as well as the social themes in the works and the world today. Students will increase their knowledge and understanding of art in the 21st century, ignite discussion, and inspire creative thinking by examining, analyzing, and experiencing the works of various contemporary artists. This course will include studio based projects and field trips, as well as reading, writing, and discussion based assignments/projects.
Hon Art History	159010A	Honors Art History is an academically challenging college-prep course examining the extensive influence of visual art forms across eastern and western cultures. Topics of study range from ancient art through art of the early 20th Century. Across the scope of place and time, Honors Art History focuses largely on painting and drawing (40%), architecture (25%), sculpture (25%), and other media (5-10%). Students will learn to examine and assess works of art critically (and in aesthetic context). Honors Art History will be taught primarily in a lecture format, but emphasizing visual and aesthetic intelligences, using projected images, as well as content-appropriate online Art History websites. Strategies for assessing students will include multiple-choice questions along with analytic and comparative essays.
Ceramics 1	023000	This course involves an introduction to the materials, techniques, design, and equipment of hand-built ceramic art and an introduction to the potter's wheel. Emphasis will be on development of basic skills, creativity, craftsmanship, aesthetics, and using clay as a medium of personal expression.
Theater/Drama	056200	This course is an introduction to theater and drama with an emphasis on background and structure, varieties and technique.
Music Appreciation	127000	Music Appreciation is an exploratory music class that covers many types of music, including, but not limited to, Baroque, Classical, Jazz, Latin and Rock styles. Students in this class have the opportunity to listen to music, watch videos, and perform presentations in class, on music that they enjoy. This class is open to anyone who likes music and desires to learn more about how today's music evolved from the music of previous eras.
Piano	125805	This class is for anyone who wants to or already plays the piano. It is open to all students; from beginner to advanced levels. This course will provide students with basic and advanced piano skills in conjunction with a fundamental knowledge of basic and advanced music theory. Through studies in this class, students will learn to read music notation, develop the hand-eye coordination needed to play the piano, and be introduced to beginning piano repertoire. Students who come into the class as advanced will learn upper level music. By studying the piano, students will have an educational experience that provides a multi-sensory focus and a new opportunity for social and emotional expression. The class will be based on individual study and practice. The class will cover all aspects of music, including theory, performance practices, composition and more.

Beginning Guitar	125000	This course is designed for beginning guitar students. The course will teach the fundamentals of music reading and beginning guitar techniques. Students will improve their understanding of music as they study a variety of musical styles and music from different cultures. Students must purchase the class text and have their own acoustic guitar.
Art in Public Places	022300	Students will learn how professional artists create artworks for the public. Public art and sculpture has a very methodical and sequential process behind the scenes. Artists must take into account many considerations such as safety, audience, idea, installation, and budget prior to the final installation of their art. Students will experience this process through a local Design and Build High School Public Sculpture program culminating with the construction and installation of the sculpture for a public space. This course is cross curriculum oriented and will require students to produce written narratives along with itemized budgets.

Electives

Grade Level	Options
Any Grade	Study Skills, Speech, Career Skills, Career Mentorship, It's Your Business: An Introduction, Business Law, Child and Adolescent Development, Multimedia Communication, Computer Applications 1, Programming, Web Design, College/Career Prep, Electronic Media, Freshmen Seminar, Global Issues and Art Perspectives, Career Explorations, Individual Projects, Emerging Leaders, Intro to Engineering/Design, Backpacking, Drones/Flight & Aviation, Honors Intro to Business/Entrepreneurship

Course Title	Course #	Course Description
Career Exploration & Internship	191132	The Career Exploration and Internship course is designed to support students in the development of job skills, exploration of potential career interests and practical experiences in the work place. Students will complete career inventories and assessments, research potential careers, and spend time with professionals in various industries.
Current Legal Issues	157120	Current Legal Issues is designed to teach legal issues in a case study method. Students study issues relating to individual rights, criminal law, and equality. Projects are a required element in this course, with emphasis placed on technology literacy.
Study Skills	191055	This course is designed to assist students with organizational skills, test preparation, homework completion, and test completion.
Speech	055000	This course includes writing and delivering speeches for a variety of purposes. Students will develop communication and public speaking skills including audience analysis, organization, content and delivery.
Career Skills	090003	Career Skills will provide students with a variety of opportunities to attain skills related to employment within the school community. Structured, multi-sensory activities will enhance a student's educational experience in order to prepare them for their future as part of the work or volunteer force following graduation.
Career Mentorship	191005	This course is designed to provide students with an opportunity to work under the guidance of a professional. They will obtain hands-on experience in a field which they are they are interested in pursuing as a career. Students will attend six evening instructional hours with the mentor coordinator prior to the field-work. Throughout the grading period students must work a minimum of 54 hours with the mentor, maintain a daily journal and produce an end of the term project.
It's Your Business: An Introduction	030005	This course introduces the student to the world of business, an area that affects each of us. Topics may include basic economics, credit, banking, insurance, consumerism, income tax, entrepreneurship, careers, and the stock market.

Business Law	033300	In our private enterprise economy, the relationship of business, government, and individuals can be very complex. This course gives the student a broad knowledge base of how our legal system began, how it has evolved, and what might influence its future development. Topics may include: The Constitution, Ethics in law, Crimes and torts, Laws for special groups, making binding agreements, Contracts for buying and selling goods.
Child and Adolescent Development	092000	How do humans develop mentally, socially, and physically? Students will study the underlying principles and skills needed to work with children of all ages and the factors that promote the healthy emotional and physical development of the child. Students will learn about brain development, growth of the self-concept, discipline, learning experiences, and guidance of children that relates to parent/caregiver effectiveness.
Multimedia Communication	109115	The purpose of Multi-media is to give students skills needed for using the technology of communications. Students will produce and present projects using MS PowerPoint, MS Front Page, XHTML, Digital Photography, Photo Shop Elements and MS Publisher. Additionally, students may produce video products using camcorders, computer graphics and editing systems. Internet research for the purpose of developing and presenting a 10-minute oral presentation is required of all students for graduation.
Computer Applications 1	161000	This course provides students with computer skills needed for completing many daily business and personal tasks. The course covers proper keyboarding technique to ensure speed and accuracy, the proper formatting of business letters, reports, tables, and memos. Additional topics may include speech recognition, numeric keypad, and basic Microsoft Word.
Programming	163015	The objective of this course is to teach problem-solving strategies and develop critical thinking skills by studying the fundamental principles of structured computer programming in C++ and/or Java. The student will develop algorithms and express them in top-down diagrams. Topics may include data types, variables, mathematical and logical operations, strings, character arrays, input, output, conditional statements, loop structures, and functions.
Web Design	163025	Using industry standard software, this course introduces the fundamentals of web site design and implementation. Students study web aesthetics and intuitive interface design. The course emphasizes file organization and layout including tables and frames, and the creation of web-optimized image elements. Students will be introduced to basic HTML scripting.
College/Career Prep	191010	This course teaches valuable career exploration, college preparation, and life skills. Students will research appropriate career and college programs, determine costs, create a personal resume, write an admissions essay, apply for college admissions, and complete scholarship searches. The class includes significant lab time for students to complete the college admissions process and activities. The course may also include employment readiness simulations. Second semester students will study personal finance topics including career development, money management, budgeting, credit management, taxes, buying a car, leasing an apartment, buying a house, insurance, savings and investments, and retirement.
Electronic Media	191090	Students will learn and apply techniques of storytelling, and audio/video production and post-production. Students will learn and apply a variety of distribution methods.
Freshman Seminar	191020	Freshman Seminar is a class designed for all 9th graders. Students will learn basic skills for student success in high school and beyond. Emphasis is on planning and organization, study skills, learning styles, how to study for tests, goal setting, increasing reading skills and comprehension. Students will also have time to do homework at school. Students taking this course for a second semester will be expected to work independently.

Global Issues and Art Perspectives	029010	This course will allow students to understand current global concerns through an historical and artistic context. Through class discussions, visual presentations, and individual and class projects, students will explore human responses to global issues. Students will also examine how their identity is shaped by global events and evaluate their responsibility to support responsible change. Themes of the course include personal, cultural, and global identity, global interdependence, disease and global health, consumption and consumerism, and responsibility for civic involvement. Students will participate in both history-based and visual arts-based curriculum and activities as well as community service projects.
Career Explorations & Internship	191132	The Career Exploration and Internship course is designed to support students in the development of job skills, exploration of potential career interests and practical experiences in the workplace. Students will complete career inventories and assessments, research potential careers, and spend time with professionals in various industries.
Individual Projects	191166	The Individual Projects course is designed to support students in the development and completion of an in-depth, individual project that involves experiences both within and outside the school environment. Projects will culminate in a demonstration of learning.
Emerging Leaders	191003	This class is designed to develop future leaders. Areas of study include leadership styles, how leaders affect change, problem solving as a leader, leadership attitudes, and developing skills in others.
Honors Intro to Engineering/ Design	103036A	This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using a 3D, solid-modeling Computer- Aided-Design (CAD) System (AutoCAD Inventor). This modern computer-based process replaces traditional drafting methods. This course is part of the national Project Lead the Way (PLTW) approved program course sequence.