



2019-2020

Bayfield High School

Course Catalog

The Bayfield School District 10 JT-R does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to designated youth groups. The following persons have been designated to handle inquiries regarding the non-discrimination policies.

For employee complaints:

Dot Clemens, Director of Human
Resources Bayfield School District
24. S. Clover Drive
Bayfield, CO 81122
970-884-2496

For student complaints:

Dr. K. Kevin Aten
Superintendent
Bayfield School District
24. S. Clover Drive
Bayfield, CO 81122
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****Course Fees May Apply and are Subject to Administrative Approval**

****Course Offerings Subject to
Some courses may require a level



**Enrollment Numbers
testing to allow placement**

BHS Core Content

Departments

English Department

English I: Literature and Composition

English Credit - 1

Prerequisites: None 9th

In order to meet the Colorado State Standards in Reading, Writing, and Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening, and language. Direct instruction in grammar and vocabulary will be a regular part of class. Significant reading of various genres of literature and writing activities will form the core of language arts content. Students will also engage in public speaking and presentations throughout the course. Students will write a research paper, several formal academic essays, out-of-class book reports, and numerous smaller written assignments throughout the year.

Honors English I: Literature and Composition

English Credit - 1

**Prerequisites: Qualifying placement score, Summer Book Reports Required Materials: Vocabulary Book
9th**

In order to meet the Colorado State Standards in Reading, Writing, and Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening, and language. Direct instruction in grammar and vocabulary will be a regular part of class. Significant reading of various genres of literature and writing activities will form the core of language arts content. Students will also engage in public speaking and presentations throughout the course. Students will write a research paper, several formal academic essays, out-of-class book reports, and numerous smaller written assignments throughout the year. In preparation for college credit and other advanced classes, rigorous and independent work is expected of students enrolled in this course.

English II: World Literature and Composition

English Credit - 1

**Prerequisites: English I
10th**

In order to meet the Colorado State Standards in Reading, Writing, and Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening, and language. Direct instruction in grammar and vocabulary will be a regular part of class. Significant reading of various genres of world literature and writing activities will form the core of language arts content. Students will also engage in public speaking and presentations throughout the course. Students will write a research paper, several formal academic essays, out-of-class book reports, and numerous smaller written assignments throughout the year.

AP Language & Composition

English Credit - 1



**Prerequisites: English I or Honors
Required Materials: Vocabulary
Book, Summer Book Reports 10th**

English 1, Qualifying PSAT Score,

This course focuses on the rhetorical development of and revision of wellreasoned, evidence-centered analytic and argumentative writing. In order to meet the Colorado State Standards in Reading, Writing and Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening and language. Direct instruction in grammar and vocabulary will be a regular part of class. This course emphasizes the reading of difficult nonfiction essays and frequent writing assignments. The course will give students the strategies for use in college writing. Students will analyze the rhetorical strategies in works, argue and reflect on works, and synthesize outside sources in research essays and prose passages. Exams from previous years, including AP essay questions, will be extensively used. Students will also engage in public speaking and presentations throughout the course. This is a rigorous course. Summer work is required. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

English III: American Literature and Composition

English Credit - 1

Prerequisites: English II

11th

In order to meet the Colorado State Standards in Reading, Writing, and Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening, and language. Direct instruction in grammar and vocabulary will be a regular part of class. Significant reading of various genres of American literature and writing activities will form the core of language arts content. Students will also engage in public speaking and presentations throughout the course. Students will write a research paper, several formal academic essays, out-of-class book reports, and numerous smaller written assignments throughout the year.

Honors English III: American Literature and Composition

English Credit - 1

Prerequisites: English II, Summer Book Reports

Required Materials: Vocabulary Book 11th

In order to meet the Colorado State Standards in Reading, Writing, and Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening, and language. Direct instruction in grammar and vocabulary will be a regular part of class. Significant reading of various genres of American literature and writing activities will form the core of language arts content. Students will also engage in public speaking and presentations throughout the course. Students will write a research paper, several formal academic essays, out-of-class book reports, and numerous smaller written assignments throughout the year. In preparation for Advanced Placement English Literature and Composition, rigorous and independent work is expected of students enrolled in this course. Concurrent enrollment may be available for this course.

English IV: British Literature and Composition



English Credit - 1

Prerequisites: English III or Honors 12th

In order to meet the Colorado State Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening, and language. Direct instruction in grammar and vocabulary will be a regular part of class. Significant reading of various genres of British literature and writing activities will form the core of language arts content. Students will also engage in public speaking and presentations throughout the course. Students will write a research paper, several formal academic essays, out-of-class book reports, and numerous smaller written assignments throughout the year. Concurrent enrollment may be available for this course.

English III

Standards in Reading, Writing, and

AP English Literature and Composition

English Credit - 1

Prerequisites: English III or Honors English III, Qualifying Placement Score, and Summer Book Reports

Required Materials: Vocabulary Book 12th

Advanced Placement English (AP) is a senior level class. In order to meet the Colorado State Standards in Reading, Writing, and Communicating, this class will focus on grade-level skills in reading, writing, speaking, listening, and language. Direct instruction in grammar and vocabulary will be a regular part of class. Significant reading of various genres of British literature and writing activities will form the core of language arts content. Students will also engage in public speaking and presentations throughout the course. Students will write research papers, several formal academic essays, out-of-class book reports, and numerous smaller written assignments throughout the year. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

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. Concurrent enrollment may be available for this course; students must meet admittance requirements for crediting institution. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

English Department Electives

College Public Speaking

Elective Credit - 1



Prerequisites: None

11th, 12th

This course introduces elements of speaking in public. Emphasis is placed on performance and skills in preparing and presenting a public speech. Good content, organization, delivery, audience, and analysis are some of the tools with which students will be evaluated. Students will understand the theory and practice of presentational speaking in a variety of contexts to accomplish goals of asserting individuality, building community, securing adherence, discovering knowledge and belief, and offering perspectives. There will be an emphasis on current events for several assignments, including debates. This course will also explore the role of contemporary media in our society. Students will research, craft, and present various types of speeches throughout the semester. Concurrent enrollment may be available for this course.

Creative Writing

Fine Arts Credit - 1

Prerequisites: None 9th,

10th, 11th, 12th

This class will focus on writing within multiple genres of literature, expanding on poetry, non-fiction writing, and publishing. To strengthen creative writing skills and knowledge of the publication process, the class will utilize a structured workshop format including direct instruction, literary technique development, domain specific vocabulary, extensive revision, and production and presentation of a final portfolio. Concurrent enrollment may be available for this course.

Math Department

Foundations for Algebra

Math Credit - 1

Prerequisites: Qualifying placement score

Required Materials: Scientific Calculator (Such as TI-30XS)



9th

Foundations of Algebra is designed to mathematical concepts needed to courses beyond. Students will improve and will learn fundamental concepts of linear relationships. Some of the topics covered include simplifying expressions,

real numbers, solving equations and inequalities, and graphing linear equations. Students who enroll in Foundations of Algebra will be encouraged to follow the 4 credits of math track.

give students a firm foundation in prepare them for Algebra I and math their foundations in basic math operations

Algebra I Math

Credit - 1

Prerequisites: Qualifying placement score or successful completion of Foundations of Algebra I

Required Materials: Scientific Calculator (Such as TI-30XS)

9th, 10th

Algebra I is a one year course that studies patterns and structures within the real number system.

The course provides the mathematical skills and background required for high school and college mathematics courses. The course includes the study of fundamental concepts; equations and inequalities; functions and graphs; polynomial and rational functions; and systems, exponential functions, and systems of equations.

Geometry

Math Credit - 1

Prerequisites: Qualifying Placement Score or successful completion of Algebra I

Required Materials: Scientific Calculator (Such as TI-30XS)

9th, 10th, 11th

Geometry studies, develops, and practices problem-solving skills using inductive and deductive reasoning that provides the mathematical skills and background required for high school and college mathematics courses.

Geometry provides the vocabulary and skills needed to understand and organize geometrical concepts. It involves students in a deductive system of thought that involves points, lines, angles, polygons, polyhedrons, and circles. The course includes applications of algebra to geometry and elementary trigonometric concepts.

Honors Geometry

Math Credit – 1

Prerequisite: Qualifying Placement Score

Required Materials: Scientific Calculator (Such as TI-30XS)

9th, 10th, 11th

Honors geometry is a course intended for students who excel in math or who intend to continue their study of higher levels of mathematics in high school and college. Students in this class will be challenged to think and collaborate critically through the application, analysis, evaluation, and creation of complex ideas that are often



abstract and multi-faceted. This honors creating geometric constructions for Students will be challenged with time outside the regular classroom

an increased emphasis on the writing of formal geometric proofs using deductive reasoning. This course will require students to be highly motivated as the instruction will be faster paced with an expectation of a higher level of understanding of all geometric postulates and theorems.

course will take an in-depth look at many of the geometric concepts covered. enrichment assignments that will require scheduled time. The course will also have

Algebra II

Math Credit - 1

Prerequisites: Geometry or Honors Geometry

Required Materials: Scientific Calculator (Such as TI-30XS)

9th, 10th, 11th, 12th

Algebra II is the study of functions and the translations of the graphs of those functions. The course extends the content of Algebra I and provides further development of the concept of a function. Topics include (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; (7) counting principles and probability; and (8) circular trigonometry.

Statistics

Math Credit - 1

Prerequisites: Algebra II

Required Materials: Graphing Calculator (Such as TI-83/84)

11th, 12th

Statistics is the mathematics of the collection, organization, and interpretation of numerical data, especially the analysis of population characteristics by inference from sampling. In this class students will examine the basic elements of probability, the binomial and normal distributions, measures of center and spread, and linear correlation. Students will measure central tendencies of data, explore data distributions, and examine bivariate data and frequency tables.

Students will develop strategies for collecting data. Students will learn how to test hypotheses and how to make statistical inferences from data. Students will test results for significance at various levels of confidence. The chi-square, normal, and t distributions will be studied. Students will learn how to use technology, as well as statistical tables, to do their analyses. It is the goal of the course to teach students to improve their critical thinking and to learn to make judgments based on sound statistical theory.

Topics of College Algebra

Math Credit - 1

Prerequisites: Algebra II

Required Materials: Graphing Calculator (Such as TI-83/84)

11th, 12th



This course is a functional approach to appropriate technology. Emphasis will be placed on the study of functions and their graphs; inequalities; and linear, polynomial, exponential, and

applications will be included. Upon entering Topics of Algebra, the student is expected to possess an understanding of elementary and intermediate algebra. Concurrent enrollment credit may be available for this course for seniors only who meet the admission requirements for the crediting institution.

algebra that incorporates the use of quadratic, piece-wise defined, rational, logarithmic functions. Appropriate

Math Functions (Trigonometry)

Math Credit - 1

Prerequisites: Algebra II

Required Materials: Graphing Calculator (Such as TI-83/84)

10th, 11th, 12th

Math Functions is a pre-calculus course which emphasizes a better understanding of functions and their applications and strengthens students' mathematical reasoning and problem-solving skills. Some of the topics covered include trigonometry, logarithms, polar coordinates, complex numbers, polynomial functions, rational functions, exponential functions, logarithmic functions, sequences, series, and limits.

AP Calculus A/B

Math Credit - 1

Prerequisites: Math Functions

Required Materials: Graphing Calculator (Such as TI-83/84) 11th,

12th

Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and with providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Understanding the connections among these representations is of primary importance.

As a result of this course, students should understand the meaning of the derivative in terms of a rate of change and as a local linear approximation. Students should understand the meaning of the definite integral both as a limit of Riemann sums and as the net accumulation of change. Students should understand the relationship between the derivative and the definite integral as expressed in both parts of the Fundamental Theorem of Calculus. Students should be able to solve a variety of problems that rely on the derivative and on the integral and should be able to distinguish between the two types of problems. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

Techniques of Problem Solving

Math Credit - 1

Prerequisites: Geometry or Instructor Permission

Required Materials: Scientific Calculator (Such as TI-30XS) 12th

Techniques of Problem Solving is a course that gives students the concentrated practice and time necessary to fully develop their problem-solving skills. Students will master a multitude of strategies (including, but not limited to guess and check, drawing diagrams, systematic lists, eliminating possibilities, and physical

representations) while developing personal financial literacy, including for loans, are also covered.



confidence in their abilities. Topics of investing, establishing credit, and applying

Science Department

Integrated Science

Science Credit - 1

Prerequisites: None 9th

Integrated Science is an introductory lab-based science class designed to develop high school level scientific inquiry and thinking skills through multiple scientific fields. These foundational skills will be focused in the area of Chemistry, Earth Science and Physics. Students can expect to be engaged in activities and labs to solve challenging problems. Students will learn motion, forces, and energy concepts, the periodic table, nomenclature, chemical equations, and stoichiometry.

Biology

Science Credit – 1

**Prerequisites: Integrated Science
10th**



This is a fundamental course that chemistry of life, cell structure, and energy production and use, cell synthesis. Required for sophomore

focuses on the characteristics of life, the organelle function that include transport, reproduction, genetics, and protein students.

Ecology/Geology

Science Credit – 1

Prerequisites: Integrated Science, Biology 11th, 12th

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationship of the natural world; to identify and analyze environmental problems, both natural and humanmade; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving and/or preventing them. It will also provide a general survey of geologic processes that shape the earth today.

Chemistry

Science Credit - 1

Prerequisites: Integrated Science, Biology 11th, 12th

Topics of discussion include atomic structure, chemical composition, phases of matter, gas laws, acids, bases, salts, hydrocarbons, nuclear reactions, and other topics of Chemistry.

Chemistry in the Community

Science Credit – 1

Prerequisites: Integrated Science, Biology 11th, 12th

ChemCom consists of seven units that emphasize organic chemistry, biochemistry, environmental chemistry, and industrial chemistry. Students learn concepts on a need-to-know basis, evaluate data and make decision based on their knowledge and observations. The lab-based course features activities that five students practice in applying their knowledge of Chemistry.

Physics

Science Credit - 1

Prerequisites: Biology, Algebra 2 (Trig recommended) 11th, 12th

This is a college prep course that includes discussion of velocity and acceleration, forces and gravity, energy and power, sound and light, temperature and heat, electricity and magnetism, and other special topics. The course is designed for college-bound students with an interest or aptitude in physical science and/ or math.

Anatomy & Physiology

Science Credit - 1

Prerequisites: Integrated Science, Biology 11th, 12th

This course provides students with an in-depth study of health care careers including actual clinical experience in a variety of areas. Instruction includes basic anatomy and physiology, medical terminology, diseases and disorders, medical ethics, and first aid. The class is designed to prepare students for a career in Health Science and/or for a variety of health technology program.



AP Biology

Science Credit – 1

**Prerequisites: Biology 11th,
12th**

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. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

AP Environmental Science

Science Credit – 1

**Prerequisites: Biology 11th,
12th**

The goal of the AP Environmental Science course is to provide you with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

Social Studies Department

World Geography/World History

Social Studies Credit - 1

Prerequisites: None 9th

In World Geography students will develop a comprehensive knowledge and understanding of our Earth and the uses of geography in it. World History is a survey from Prehistoric Times through the Age of Discovery. Students will understand how economy, environment, politics, culture, and social processes interact to shape patterns of human populations, resources, interdependence, conflict, and cooperation. Students will also have an increased understanding of their unique place in time, have a sense of human development, and be able to make connections to the present and possess a solid foundation for reflective thought in the future.

Economics

Economics Credit -1

**Prerequisites: World History/ Geography
10th**



This course explains the central society chooses to allocate its natural, will understand how government goods and services exchanged in the financial literacy will be covered. Students will learn how to make sound financial decisions and develop a personal budget that addresses shortterm and long-term goals, including spending, saving, and investment options.

economic concept of scarcity and how human, and capital resources. Students policies and competition affect the price of marketplace. In addition, personal

United States History

Social Studies Credit - 1

Prerequisites: Economics 11th

This course examines the cultural, political, and economic events and circumstances that have shaped the United States from Reconstruction to the present. We will interpret these historical factors to better understand who we are today and why. It is through an adequate understanding of our nation's history that we can hope to shape a better future.

AP United States History

Social Studies Credit - 1

Prerequisites: Economics 11th

The AP U.S. History course is a college level survey course and is designed to provide students with the analytic thinking skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. Students will be introduced to the larger themes of the American past, as well as the nature of historical research and become familiar with source materials useful for the study of America's heritage. The course integrates various themes of history in order to convey the experiences of particular groups within the broader perspective of the American past. At the same time, it connects events and issues from the past to the concerns of the present.

The pace of the course is rapid as it is designed to prepare students for college by making demands upon them equivalent to those made by college courses. Great attention is paid to a student's ability to read and assess historical materials (their relevance to a given interpretive problem, reliability, and importance) and weigh the evidence in order to make sensible informed judgments while presenting reasons and concrete evidence clearly and persuasively in essay format. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.



American Government

Social Studies Credit - 1

Prerequisites: United States History

12th

This course focuses on interpreting the U.S. Constitution and analyzing the three branches of our federal system. We will examine the major historical and philosophical influences contained in the Constitution and discuss the role of government at the international, national, state, and local levels. It is through an understanding of the foundations of our democratic form of government that we become informed, productive citizens. This course requires researching current issues (immigration, education) for the purpose of influencing public policy; identifying which level of government is appropriate to influence change; Analyzing options for learning about and participating in local, state, and national issues; and investigating the goals and tools of U.S. foreign policy.

AP American Government

Social Studies Credit - 1

Prerequisites: United States History 12th

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

Social Studies Department Electives

Psychology

Elective Credit – 1

Prerequisites: None

10th, 11th, 12th

Psychology is an introduction to the scientific study of behavior and mental processes, including an overview of the biological basis of behavior, sensation/perception, states of consciousness, learning and memory, thinking and language, intelligence, motivation and emotion. Students will research a topic and present a report to the class and the teacher. Second semester we investigate an overview of the history of psychology, human development, stress and health, personality, disorders, therapy and social psychology. Students will conduct a data-collection project and analyze the results. Concurrent enrollment may be available for this course; students must meet admittance requirements for crediting institution.



BHS Non-Core Departments

Performing Arts

Concert Band (includes *Marching Wolverines*)

Fine Arts Credit - 1

Prerequisites: None

Required Materials: Students are expected to provide their own instruments except percussion, low brass, and low woodwinds. Rental and repair fees may be assessed for such instruments. Significant fees, including travel fee (up to \$75) and instrument rental (\$25), repair fees (as assessed) may be associated with Band. Student financial aid may be available through BAAM Music Boosters.

9th, 10th, 11th, 12th

Concert Band and Marching Wolverines stress superior musicianship and instrument technique. Elements of theory and history of western music are taught along with performance skills in a standards-based setting. Wind and percussion instrumentalists of all skill levels are welcome. All band members participate in marching band from August through October, including required daily morning rehearsals starting at 7:15 AM. Band camp is two weeks before school starts, usually the first week of August. Evening rehearsals during marching season may also be required. Members are expected to participate in several performances such as athletic events, contests, concerts, graduation, etc. Students enrolled in Concert Band are **required** to attend evening rehearsals, and daylong contests, as well as perform at athletic events such as football and basketball games. Academic eligibility is strictly enforced for contest performances.

Percussion Ensemble

Elective Credit – 1



**Prerequisites: Advanced approval.
or high school**

**Required Materials: Students will
have an instrument rental fee**

9th, 10th, 11th, 12th

Percussion Ensemble is a class designed to promote and develop musical performance on various percussion instruments. Including but not limited to snare drum, drum set, tympani, marimba, and percussion instruments from other cultures. Percussionists who have had previous band experience and are interested in further developing their ability in the percussive arts are welcome to enroll. Members of the Percussion Ensemble combine with musicians of the Concert Band, Marching Band, and Jazz Band to perform at large concerts, games, and contests. Rehearsals will focus on individual preparation of assigned repertoire, group cohesiveness and interpretation. The students will study and apply percussion performance concepts, to several different styles of music, from classical to music of native origin. **Members of Percussion Ensemble will be required to participate in Marching Band, which rehearses in the morning as well as evening practice obligations and football/pep band performances from August through October.**

Experience in Percussion in 8th grade

**provide their own mallets and may
assessed.**

Jazz Band

Fine Arts Credit - 1

Prerequisites: Concert Band

Required Materials: Instruments

10th, 11th, 12th

Continuing to develop musicianship and technique, members will learn to create improvisational solos in a performance setting. Members of jazz band, also known as *Outlier*, will learn funk, fusion, swing, ballad, rock, and other contemporary forms of stage band and combo music. Jazz history is taught alongside performance skills. Members may enhance the instrumentation of concert band, sharing the same performance requirements. *Outlier* is highly in demand in the area and may have a very demanding performance schedule in the community, including contests, concerts, and tours. All such performances are required.

Jazz band members may also participate in marching band and pep band in some years, depending on the needs of that group. Jazz band is a select group with limited instrumentation. Members may be required to audition before earning a place in jazz band.

Concert Choir

Fine Arts Credit – 1

Prerequisites: None 9th,

10th, 11th, 12th

Intended as the introductory vocal class at BHS, students in concert choir will experience a variety of singing styles and music from many places and times. This course covers singing fundamentals and performance techniques, including reading music and voice development. Sight singing, part singing, solo singing, vocal pedagogy, and performance are included in this standards-based course. This choir may perform at many

concerts throughout the year, including Performances may have required



festivals, honor choirs, and local concerts. attendance.

High School Orchestra

Fine Arts Credit - 1

Prerequisites: None

Required Materials: Instruments

***Course Fee: \$50.00 9th, 10th, 11th, 12th**

Bayfield High School Orchestra will focus on the advancement of instrumental technique, further development of music reading and comprehension skills, independent musicianship, style, critical thinking skills, small ensemble music, and orchestral literature. Repertoire will contain both classical and popular music. Students will perform in small group ensemble projects, as well as a large group. Symphony orchestra will perform outside of class on a regular basis. Performances may have required attendance. Additional fees may apply.

Music Appreciation

Fine Arts Credit – 1

Prerequisites: None

9th, 10th, 11th, 12th

For the student who has not participated in a performance ensemble, Music Appreciation offers the chance to explore the elements, history, technology, cultural impact and technical aspects of Music. Students will learn about the history and creation music from antiquity to the current era, while exploring wide variety of musical styles and genres. The standards based class will educate the non-musician in making aesthetic judgements about music through the following units:

1.) Elements of Music, 2.) Music in the Movies, 3.) Music Technology, 4.) Rap Music, 5.) Classical Music, 6.) Musical Instruments, 7.) Basic Theory 8.) Jazz, 9.) Rock, and 10.) Music of the World. Music Appreciation is generally intended for students who have not yet participated in a music ensemble as a performer.

Music Theory

Fine Arts Credit - 1

Prerequisites: One year of ensemble experience

10th, 11th, 12th

This course will cover topics to prepare the student for enrollment in their freshman theory class in college. Music theory is intended to challenge the advanced musician. Fundamentals of music, including notation, circle of fifths, scale construction, chord and interval recognition, and modes are covered. Analysis of



chorales with secondary dominants and semester. Sight reading and ear class. Group work and instructor theory; therefore, independent study the class is recommended for students wishing to continue with their

other works is the goal by the end of the training will be a major portion of the engagement is critical to success in theory will NOT be offered. Enrollment in music education beyond high school.

Fundamentals of Theatre

Fine Arts Credit - 1 Prerequisites:

None

Required Materials: None 9th, 10th, 11th, 12th

Students will explore the theatre arts from a standpoint of actor, audience, director, and producer. Elements of acting, including mental, voice, and body preparation, pantomime, monologue, and duet acting start the course. Directing considerations, such as staging, blocking, and scene preparation, continue the semester. Basic production elements, such as costuming, sets, lights, sound, and props round out the curriculum. Several individual and group projects make up the course which culminates in a theatre exposition and one-act play performance. The best projects and plays are performed for the public on this evening. Participation in acting projects, including the expo, is mandatory. Important: Please note that theatre is not intended to be a class students take more than once.

Visual Arts

Fundamentals of Art

Fine Arts Credit - 1

Prerequisites: None

***Course Fee: \$35**

9th, 10th, 11th, 12th

This is an introduction of art using a variety of mediums to insure success to even the less confident artist. Students will learn skills in drawing, painting, print making, and metal tooling, as well as other mediums. The choice of mediums may vary. Students will learn to critique works of art as a form of visual communication. All assignments are based on the world standard of the elements and principles of design as well as meeting the state standards for visual arts. Artists will develop a digital portfolio and will participate in various art shows.

Studio Art

Fine Arts Credit - 1

Prerequisites: Fundamentals of Art

***Course Fee: \$50**

10th, 11th, 12th



This is an advanced two dimensional student to creatively brainstorm each of teacher on supplies and the feasibility multiple mediums to challenge and

up with their own projects with the exception of one computer art piece, one stretched canvas with oil paint, and one social commentary or surrealism. The student will choose a theme used to inspire their entire body of work. All assignments are based on the world standard of the Elements and Principles of Design as well as meeting the Colorado State Standards. Artists will develop a digital portfolio of their work that could be used for college or career pursuits.

art class. The responsibility will be on the their projects and conference with the of the project. The student must work in stretch their artistic skills. They will come

Advanced Studio Art

Prerequisite: Studio Art

***Course Fee: \$50**

11th, 12th

This is an advanced two dimensional art class that is focused on the independent study by the artist. The responsibility will be on the student to creatively brainstorm each of their projects and conference with the teacher on supplies and the feasibility of the project. The student will choose a theme used to inspire their entire body of work. All assignments are based on the world standard of the Elements and Principles of Design as well as meeting the Colorado State Standards. Artists will develop a digital portfolio of their work that could be used for college or career pursuits. The projects are only limited by the individual artist's imagination.

Photography

Fine Arts Credit - 1

Prerequisites: None

***Course Fee: \$50 10th,**

11th, 12th

This class is an introduction to image manipulation, black and white film photography, and digital photography. Students will learn how to use a 35mm camera, develop film, and make prints from their negatives. 35mm cameras are available for use, but having your own is preferred. Students will learn to critique works of art as a form of visual communication. All assignments are based on the world standard of elements and principles of design, as well as meeting the state standards for visual arts. Artists will develop a portfolio and will participate in various art shows.

Advanced Photography

Fine Arts Credit-1

Prerequisites: Photography

***Course Fee: \$50**

11th, 12th

Advanced photography students will be required to assist beginning photography students in the developing and printing process and making their own project presentations. They will do advanced photography techniques and create a photo series based on a personal theme. Students will learn to critique works of art as a form of visual communication. All assignments are based on the world standards of the elements and principles of design, as well as meeting the state standards for visual arts. Artists will develop a portfolio and will participate in various art shows. Students will occasionally leave campus to take photos. A current driver's license is recommended and parent consent will be required.



Ceramics

Fine Arts Credit - 1

Prerequisites: None

***Course Fee: \$35**

9th, 10th, 11th, 12th

This class is an introduction to learning the basics of hand building and wheel throwing. Students will create both functional and non-functional ceramics. All products are food safe. Students will learn to critique works of art as a form of visual communication. All assignments are based on the world standard of the elements and principles of design, as well as meeting the state standards for visual arts. Artists will develop a portfolio and will participate in various art shows.

Studio Ceramics

Fine Arts Credit - 1

Prerequisites: Ceramics

***Course Fee: \$35**

10th, 11th, 12th

Students will develop their own personal style while creating larger and more challenging projects. Students will create sculptures, hand-built projects, and wheel-thrown containers. The students will learn how to load and unload the kiln. Students will learn to critique works of art as a form of visual communication. All assignments are based on the world standard of the elements and principles of design, as well as meeting the state standards for visual arts. Artists will develop a portfolio and will participate in various art shows.

Advanced Studio Ceramics

Fine Arts Credit - 1

Prerequisites: Studio Ceramics

Course Fee: \$25 11th,

12th

This is an advanced ceramic art class that is focused on the independent study by the artist. The responsibility will be on the student to creatively brainstorm each of their projects and conference with the teacher on supplies and the feasibility of the project. The student will choose a theme used to inspire their entire body of work. All assignments are based on the world standard of the Elements and Principles of Design as well as meeting the Colorado State Standards. Artists will develop a digital portfolio of their work that could be used for college or career pursuits. The projects are only limited by the individual artist's imagination.

Physical Education

Fundamentals of Physical Education

P.E. Credit - 1

Prerequisites: None 9th,

10th, 11th, 12th

This course emphasizes basic health-related fitness and developing the skills and habits necessary for a lifetime of activity. This course provides students with opportunities to develop and maintain skills needed to use throughout their lifetimes. Among the activities provided are (1) health-related fitness activities, (2)



aerobic exercise, (3) team sports, (4) recreational games. This course will knowledge, attitudes, and practices Topics of exploration include, but are violence, drugs, alcohol, self- image, sexually transmitted diseases, first aid, and safety.

individual and dual sports, and (5) also emphasize the importance of relating to personal health and wellness. not limited to; nutrition, physical fitness,

Personal Fitness for Women

P.E. Credit - 1

Prerequisites: Fundamentals of Physical Education

10th, 11th, 12th

This course is designed for women looking for overall fitness improvement. It combines instruction in the aspects of cardiovascular fitness, strength improvement, flexibility, muscle tone, and nutritional information. Among activities presented will be weight training, speed development, plyometric, yoga, and aerobics. An understanding of these components is focused towards benefiting women in athletics and overall fitness training.

Personal Fitness for Men

P.E. Credit - 1

Prerequisites: Fundamentals of Physical Education

10th, 11th, 12th

This course is designed for men looking for overall fitness improvement. It combines instruction in the aspects of cardiovascular fitness, strength improvement, flexibility, muscle tone, and nutritional information. Among activities presented will be weight training, speed development, plyometric, and aerobics. An understanding of these components is focused towards benefiting men in athletics and overall fitness training.

Foreign Language

Spanish I

Foreign Language Credit - 1

Prerequisites: None 9th,

10th, 11th, 12th



Designed to introduce students to courses emphasize basic grammar and spoken accent so that students can language at a basic level within customary courtesies and conventions.

Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people. Present tense verb forms are tested.

Spanish language and culture, Spanish I syntax, simple vocabulary, and the read, write, speak, and understand the predictable areas of need using

Spanish II

Foreign Language Credit - 1

Prerequisites: Competency in Spanish I

10th, 11th, 12th Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s). Past tense verb forms are tested.

Spanish III

Foreign Language Credit - 1

Prerequisites: Competency in Spanish II

11th, 12th Spanish III courses build upon skills developed in Spanish I and II, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Students will be able to express and support opinions about topics appropriate to grade level; initiate, sustain, and conclude conversations on a wide variety of general knowledge, personal and academic topics; persuade, negotiate, or offer advice about issues or points of view; and use a wide range of strategies to negotiate meaning, paraphrase, ask questions, circumlocution, and self-correct as needed to sustain communication. All verb tenses except past and present are tested.

Spanish IV

Foreign Language Credit - 1

Prerequisites: Competency in Spanish III

11th, 12th

Spanish IV courses build upon skills developed in Spanish I, II, and III, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Students will be able to identify the purpose and main idea, point of view, and predict outcomes; apply content and background knowledge to infer meaning; interpret and imitate culturally appropriate verbal communication (such as idioms, colloquial language, slang); and interpret meaning through knowledge of grammatical structures, cognates, and context. All verb tenses are tested.

Introduction to American Sign Language

Elective Credit – 1



Prerequisite: None

9th, 10th, 11th, 12th

This is an entry level course designed to introduce students to American Sign Language (ASL) and fingerspelled culture. Students will learn the basics of ASL grammar and syntax, vocabulary, fingerspelling, numbers, and visual-manual communication. Deaf culture and history will also be integrated into the instruction.

to introduce students to American Sign signs as they are used within deaf culture. Students will learn the basics of ASL grammar and syntax, vocabulary, fingerspelling, numbers, and visual-manual communication. Deaf culture and history will also be integrated into the instruction.

BHS Career & Technical Education (CTE) Departments

Family and Consumer Sciences

Child Development/Life Management

CTE Credit - 1

**Prerequisites: none 9th,
10th, 11th, 12th**

This course will introduce students to early childhood development from birth to elementary age. Content includes perspectives of human development, research and theories, and understanding and nurturing

development. The course will also budgeting, building credit, options, and use of credit cards and Career pathways will be explored



include goal setting, career preparation, consumerism, housing and transportation insurance. This is a project-based class. throughout this course.

Culinary Nutrition/Foods 1

CTE Credit - 1

Prerequisites: none

***Course Fee: \$35**

9th, 10th, 11th, 12th

The purpose of this one-semester course is to develop lifelong, healthy individuals with an understanding of healthy and nutritious preparation techniques utilizing various resources and skills. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient-dense seasonal foods, sports nutrition, exploring careers related to culinary nutrition, and practicing wise consumer decisions. Students will participate in lab experiences and learn basics food preparation techniques.

Catering/Culinary Arts

CTE Credit - 1

Prerequisites: Culinary Nutrition

***Course Fee: \$50**

10th, 11th, 12th

This is a 2-semester, in-depth course for sophomores, juniors, and seniors that prepares students for entry-level skills for employment in the field of food service. Topics will include advanced cooking techniques, front and back of the house service, commercial safety and sanitation practices, garnishing, plate presentation, flavor profiles, food trends, and entrepreneurship. Students will have the opportunity to test for their Serve Safe Food Handler card.

Skilled Trades

Woodworking I

CTE Credit – 1

Prerequisites: none

***Course Fee: Cost of materials to construct the main project (\$40-50)**

9th, 10th, 11th, 12th

This is a beginner level training for safety on all woodworking machines. Students will be trained to use many woodworking machines and power tools that aid in constructing an introduction project and the main project (night stand with a drawer). Concurrent enrollment may be available for this course.



Advanced Woodworking

CTE Credit - 1

Prerequisites: Woodworking I

***Course Fee: Cost of materials to 10th, 11th, 12th**

construct the main project

This course is for students that have completed Woods 1 and have good understanding of safety on all woodworking machines. Students are allowed to construct any project that is approved via instructor. Student is responsible for all material cost. Concurrent enrollment may be available for this course.

Drafting

CTE Credit - 1

Prerequisites: none 9th, 10th, 11th, 12th

This course is an introduction to the fundamentals of drafting and design using mechanical drafting equipment and 3-D design software (solid works). The first half of the course is designed to introduce students to drafting and designing mechanical parts. The second half of the course is designed to introduce students to architecture drafting where students learn how to read and layout a floor-plan and elevation views using mechanical drafting and CADD. Concurrent enrollment may be available for this course.

Construction Processes

CTE Credit - 1

Prerequisites: Woodworking I, Drafting 10th, 11th, 12th

This course is for students who have an interest in the Construction Trades (i.e. Carpentry, Framing, Electrical, Plumbing and much more). The course offers students a chance to earn a pre-Apprenticeship Certification upon completion in Core areas and individual certification areas of special interest. Components of this course will include Introduction to Building Trades Safety and First Aid, Construction Math, Tools and Construction Materials, Employability Skills and Green Building. Certifications in Carpentry, Electrical, Plumbing, and Painting and Finishing. The class will continue and complete a building project (Tiny House) with all finished components. This course also allows for certification through P.A.C.T – Home Builders Institute. Concurrent enrollment may be available for this course. Concurrent enrollment may be available for this course.

Health Sciences

Introduction to Health Occupations

CTE Credit - 1

Prerequisites: none

***Course Fee: \$10 CPR training**

9th, 10th, 11th, 12th

This course is designed to create an awareness of career possibilities in health care and inform students of the educational options available for health programs. During the first semester, students will focus on the



history of healthcare, employability and exploration. The second semester will physiology, basic medical terminology, and basic health care technical skills.

certified in CPR. The course prepares students for the Anatomy & Physiology course and/ or for a variety of health programs.

medical mathematic skills and career focus on beginning anatomy & medical ethics, diseases and disorders. Students will have the opportunity to get

Advanced Health Science

CTE Credit - 1

Prerequisites: Introduction to Health Occupations, Anatomy & Physiology Recommended

***Course Fee: \$10 CPR training**

10th, 11th, 12th

This course is for students who have decided to pursue a career in healthcare which requires a minimum of an associate's degree. This course may articulate with a post-secondary institution and provide concurrent enrollment college credit for the students. Curricula aligns with NCHSE standards and may include: health occupations professional essentials, Anatomy & Physiology, case studies, health seminar practicum and technical skill, or other curricula that provides students with an advanced experience in the health science field. Concurrent enrollment may be available for this course.

Anatomy & Physiology for Medical Professions

Science Credit - 1

Prerequisites: Biology OR Introduction to Health Occupations

11th, 12th

This course focuses on the knowledge of body structures, systems and functions, diseases and disorders, and careers and practices in medicine. Students will obtain experience with microscopy, identification of body landmarks and dissection. The course is designed for individuals interested in health care professions and will prepare them for future courses in medicine.

Medical Forensics/Medical Terminology

CTE Credit - 1

Prerequisites: Introduction to Health Occupations

10th, 11th, 12th

This course is designed to create an awareness of the branch of health science relating to medical forensics and to understand the Greek- and Latin- based language of medicine and healthcare. This course emphasizes using, deconstructing and combining common medical prefixes, suffixes and word roots as well as learning common medical abbreviations. It also focuses on terms related to major body systems, disorders and diagnostics while providing proper pronunciation. Medical forensics involves many aspects of health science instruction including laboratory skills and safety, microscopy, toxicology, measurement, physical evidence identification, pathology, anthropology, entomology, psychology, blood spatter analysis, and career exploration. Concurrent enrollment may be available for this course.

STEM – Science, Technology, Engineering and Math

Introduction to STEM

CTE Credit – 1



Prerequisites: None

***Course Fee: \$20**

9th, 10th, 11th, 12th

Science, Technology, Engineering,

possibilities that exist in our modern world. Through project, research, and inquiry-based learning, students will explore: robotics, 2D & 3D modeling, image manipulation, product development, and computer science.

Projects include:

- Design & visual communication graphics
- 3D modeling / printing
- Building and programming robots
- Producing unique graphics to customizing clothing using: Adobe Creative Suite, vinyl cutter, & heat press - Developing phone apps
- Learning computer programming by developing video games
- Designing and creating mechanical products
- Learning cutting edge computer aided manufacturing techniques like LASER cutting

This course empowers students with the skills and pathway to explore: Engineering, Digital Media, Computer Science, Digital Fabrication and so much more.

Digital Multi-Media

CTE Credit - 1

Prerequisite: None

***Course Fee: \$10**

9th, 10th, 11th, 12th

Students will explore their creativity in the digital world by developing their skills in industry standard computer programs. Students will learn valuable digital manipulation and fabrication skills through project-based learning. Students also will express their creativity and skills while developing pathways to further education or industry.

Topics covered include:

- Designing and creating the yearbook
- Correct operation of a professional DSLR camera
- Composition layout
- Adobe Photoshop, Illustrator, Premiere Pro
- Correct operation of a heat press & vinyl cutter
- Website building

Advanced Digital Multi-Media

CTE Credit - 1

Prerequisite: Digital Multi-Media or department approval

***Course Fee: \$10**

10th, 11th, 12th



Students will further develop skills by taking lead roles in the development will also work with clients to produce products to be used in industry. Gifted prepared to develop basic industry quality products. Concurrent enrollment may be available for this course. Topics covered include:

- Developing advertising campaigns (social media & traditional)
- Producing digitally fabricated products (C.A.D. / C.A.M.)
- Refining industry standard computer program skills
- Videography
- Photography

gained in their Digital Multi-Media course and creation of the yearbook. Students digital media and digital fabricated and talented students will be suitably

Digital Multi-Media Capstone

CTE Credit - 1

Prerequisite: Digital Multi-Media or department approval

***Course Fee: Price of projects**

11th, 12th

Students will further develop skills gained in their Advanced Digital Multi-Media course by taking a lead role in the development and creation of the yearbook. Students will also work with a client/mentor from industry to produce high quality digital media and digital fabricated products to be used in industry. Throughout the year students will create a portfolio and summative project that includes: a clients' brief, research, products that satisfy the clients brief, reflection / analysis as well as evidence of the products produced. Gifted and talented students will be suitably prepared to develop complex industry-quality products, successfully study complex digital media programs at university level, or enter the digital media industry.

Computer Science

Elective Credit - 1

Prerequisite: Intro to STEM or department approval

9th, 10th, 11th, 12th

Students will gain a broad understanding of Computer Science by covering topics such as programming, physical computing, HTML/CSS, and data. Students will engage with computer science as a medium for creativity, communication, problem solving, and fun. The course inspires students as they build their own websites, apps, games, and physical computing devices. Gifted and talented students will be suitably prepared and have the option to successfully take the Computer Science AP exam after completing this course.



AP Computer Science

Elective Credit - 1

Prerequisite: Computer Science

***Course Fee: \$95 AP Exam Fee**

10th, 11th, 12th

Students will build on their knowledge from their Computer Science course by exploring computer languages that resonate with them {C, C++, C#, Python, JavaScript, HTML / CSS}. Students will learn how to create: computer scripts, phone applications, websites, and video games through project and inquiry-based learning. Gifted and talented students will be suitably prepared to develop basic industry quality programs / scripts and take the Computer Science AP exam. It is expected that all AP students will take the AP exam in May. Failure to register the AP exam will result in the AP course designation being removed from the transcript and the grades(s) earned will not be weighted.

Computer Science Capstone

Elective Credit - 1

Prerequisite: Advanced Computer Science or department approval

11th, 12th

Students will engage in a year-long project, developing their skills in a specific area of computer science. Students will work with a client/mentor from industry to create a portfolio and summative project. Their portfolio will include: a clients' brief, research, development of products, beta testing, developed products working in the field, as well as reflection and analysis and the products produced. Gifted and talented students will be suitable prepared to enter industry-related jobs or successfully study complex Computer Science programs at university level.

Video Game Design

Elective Credit - 1

Prerequisite: Computer Science or department approval

10th, 11th, 12th

Students will study a selection of computer languages that builds on their knowledge and skills from their Computer Science program. Students will use their new skills to produce video games throughout the year that develop and showcase their abilities. Gifted and talented students will be suitably prepared to enter industry internships and create simple industry-standard games.

Video Game Design Capstone

Elective Credit - 1

Prerequisite: Video Game Design or department approval

11th, 12th

Students will further develop skills gained in their Video Game Design course by working with a mentor from industry to produce a high quality video game. Throughout the year students will create a portfolio and summative project that includes: a brief, research, video game, beta testing, reflection / analysis, and the completed video game. Gifted and talented students will be suitably prepared to develop complex industryquality products and successfully study complex digital media programs at university level or enter the industry.



Engineering Fundamentals

Elective Credit - 1

Prerequisite: Intro to STEM or department approval *Course

Fee: \$50 10th,

11th, 12th

Engineering Fundamentals has been designed for students who are interested in designing, making, and problem solving. Students will explore different engineering careers as well as developing key engineering skills through teamwork, project and inquiry-based learning. Gifted and talented students will be suitably prepared to apply for industry related internships.

Topics include:

- Design and visual communication graphics
- Engineering design process
- Electronics / Robotics
- Intermediate 2D & 3D modeling
- Computer Aided Manufacturing (C.A.M.)
- Engineering mathematics
- Material science
- Mechanical engineering
- Structural engineering
- Reverse engineering

Advanced Engineering

Elective Credit - 1

Prerequisite: Engineering Fundamentals or department approval *Course Fee: \$50 10th,

11th, 12th

Students will further develop their skills from their Engineering Fundamentals course. Through project, inquiry, and team-based learning, students will complete projects preparing them to successfully work within industry standards, terminology, computer programs, and processes. Gifted and talented students will be suitably prepared to apply for industry related internships and study engineering at university level. Concurrent enrollment may be available for this course. Topics covered throughout the year include but are not limited to: -

- Engineering design process
- Engineering portfolio
- Engineering principles
- Material science
- Electrical engineering
- Mechanical engineering
- Structural engineering

Engineering Capstone

Elective Credit - 1



Prerequisite: Engineering approval

***Course Fee: Price of projects**

11th, 12th

Students will develop and refine engineering skills in preparation for further education. Students will collaborate with a mentor from industry in a year-long engineering project. Students will produce a portfolio that includes: a problem, research, the process of creating a solution to the problem, a working prototype, tests of the prototype in action, and analysis of the working prototype. Gifted and talented students will be suitably prepared to enter industry internships and successfully study engineering programs at university level.

<https://www.teachengineering.org/standards/math>

Agriscience

Intro to Ag

CTE Credit – 1

Prerequisite: None

9th, 10th, 11th, 12th

Fundamentals or department



This course is an introductory course facets of FFA and the agriculture animal science, plant science, opportunities, and agricultural learning will occur through lectures, student projects, group discussions, hands on experiences, FFA experiences, CDE participation, and their SAE program.

designed to expose students to different industry. Students will gain knowledge in leadership skills, public speaking, FFA technology. Instruction and student

Ag 2/ Business & Marketing

CTE Credit – 1

Prerequisite: Intro to Ag 10th, 11th, 12th

CTE Economics/Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

Animal Science

Science or CTE Credit – 1

Prerequisite: None 10th, 11th, 12th

Courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Agriculture Mechanics/Energy Systems

CTE Credit – 1

Prerequisite: Intro to Ag 10th, 11th, 12th

Agricultural Mechanics & Energy Systems focuses on all major skilled trade disciplines in agricultural contexts, including construction, electricity, welding, power systems, and energy systems. The goal of the class will be to introduce students to skilled trade disciplines, as well as offer to them the basic fundamental knowledge to become successful in a career in agricultural mechanics. Students will explore possible career opportunities in each of the disciplines as well as learn the fundamental knowledge behind each trade. The class will be based primarily in the classroom but will incorporate hands on labs and demonstration for students to practice and gain skills in each of the skilled trade disciplines.

Natural Resources Management/Wildlife Management

Elective Credit – 1

Prerequisite: None 9th 10th, 11th, 12th



Natural resources management and conservation with planning for the water, wildlife, and forests. Within the management, these courses usually

hunting or fishing preserves, forest production and management, wildlife preservation, and human outdoor recreation. Often with an emphasis on the conservation of natural resources and frequently including outdoor recreation topics, wildlife management courses provide students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non-domesticated animals to thrive. Wildlife management courses emphasize how humans and animals may both take advantage of the same land or how to gain economic benefits from the land while not degrading its natural resources or depleting plant or animal populations.

courses combine the fields of ecology efficient use and preservation of land, general area of natural resources cover specific topics and uses, such as

Leadership

Elective Credit-1

Prerequisites: None

9th, 10th, 11th, 12th

This class is designed to teach students leadership skills that will be important to their futures—regardless of career goals. This class teaches several basic skills identified as crucial for success. These skills include problem solving and creative thinking; self-esteem, goal setting, and motivation; interpersonal skills and team work; and situational leadership and communication. The class emphasizes small group work and hands-on experiences. Students will also learn about the different styles of leadership. Opportunity to develop CTSO skills and structure will be available.

Ag Internship

Elective Credit-1

Prerequisites: Intro to Ag; One additional department class

11th, 12th

Agribusiness—Workplace Experience courses provide work experience in fields related to agribusiness. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Career Enrollment Options

Introduction to Law Enforcement

CTE Credit – 1

Prerequisite: None



9th, 10th, 11th, 12th

This course will introduce students to the criminal justice system focusing will provide them with a glimpse into the

with a view into a criminal justice career. Course topics include the history of law enforcement in the United States, search and seizure, use of force, crime scene collection, physical fitness for law enforcement, and the influences of high profile cases on law enforcement policies, training and equipment. The students will meet and hear from numerous members of the criminal justice system including judges, attorneys, victim advocates, and law enforcement personnel. Guest speakers will come from local, state, and federal agencies including U.S. Marshal's Office, Homeland Security, FBI, the U.S. Attorney's Office, Colorado Bureau of Investigations, Colorado State Patrol, Colorado Department of Parole, La Plata County Sheriff's Office SWAT and K-9, Durango Police Department, and the Bayfield Marshal's Office just to name a few. Even if the student chooses not to pursue a career in criminal justice, they will leave with valuable knowledge and a better understanding pertaining to good citizenship, their civic responsibilities as a citizen, and becoming a productive member of society.

the basic functions and responsibilities of most specifically on law enforcement. It realm of law enforcement providing them

Internship

Elective Credit – 1

**Prerequisite: Current ICAP, Completed CTE Credit, Pathway specific, Counselor/Principal Approval
11th, 12th**