

**Glenwood Springs High School
Course Guide
2018-2019**



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Introduction

This curriculum guide should prove invaluable while you are a student at Glenwood Springs High School. It is suggested that you carefully read this guide before completing your four-year high school plan and your pre-registration forms each year. Class descriptions are also available at the GSHS website – go to gshs.rfsd.k12.co.us and then click on “2018-19 Course Guide.”

College Bound Course Recommendations

Most colleges today have admission requirements that exceed GSHS graduation requirements. Students who plan to attend college should, at a minimum, take:

<u>English</u>	<u>40 credits</u>
Not included: Journalism, Drama	
<u>Social Studies</u>	<u>30 credits</u>
American History/World History	
World Cultures/Geography	
Civics	
<u>Mathematics</u>	<u>40 credits</u>
<u>Science</u>	<u>30 credits</u>
Physical and Biological	
<u>Foreign Language</u> ...	<u>20 credits</u>
<u>Physical Education</u> ..	<u>10 credits</u>
<u>Health</u>	<u>10 credits</u>
<u>Career Skills</u>	<u>10 credits</u>
Business & Technology classes	
<u>Fine Arts</u>	<u>10 credits</u>
Art, Music, Drama	

GSHS Graduation Requirements

These are the minimum graduation requirements. **However**, GSHS requires students to exceed these recommendations.

Students must enroll in a rigorous schedule of classes as determined by their school. Students will be expected to enroll in a four-year course of study in order to meet or exceed the Colorado Higher Education Admission Requirements.

These requirements may be modified according to individualized plans for Students with Disabilities and English Language Learners.

Five credits will be granted for each semester of a course passed.

Courses:

<u>English:</u>	Complete 30 high school English credits (level 1-3 or higher) or demonstrate college readiness. Students must enroll in 10 credits of English every year.
<u>Social Studies:</u>	30 credits including the study of: a) 10 credits of history, including US or World History b) 5 credits of Civics c) 5 credits of Geography
<u>Math:</u>	Complete 30 high school mathematics credits (Integrated Mathematics levels 1-2 or higher) OR demonstrate college readiness. Students must enroll in 10 credits of math every year through 11th grade
<u>Science:</u>	Complete 30 credits including physical and biological science
<u>Physical Education:</u>	10 credits
<u>Health:</u>	5 credits
<u>Fine Arts:</u>	10 credits (e.g., Art, Music, Drama)
<u>Capstone Project:</u>	Complete an approved capstone project

Valedictorian: This honor will be bestowed to the student who has the highest weighted GPA

Credits on a Standards-Based Transcript

In each class, credit is granted upon completion of content standards at a proficient or above level (a letter grade of A, B, or C). If a student receives a grade of “F,” no credit will be awarded for the class and a zero will be calculated into the student’s grade point average. Credit is assigned at the end of each semester only. To make up failed classes, the student has the following options:

1. Take the class again at GSHS
2. Complete the class in Summer School (if available)
3. Complete the class through an alternative placement (correspondence, on-line, etc.).
4. When a student makes up a failed class, the previous “F” will be changed to “NC” (no credit) on the transcript.

Absences

Students must demonstrate proficiency in each course before credit can be granted in a class. Therefore, students missing school, whether excused or unexcused, are responsible for making-up missed learning opportunities. Procedures for making up assignments should be similar to the reassessment process. Students with prearranged absences should make arrangements prior to the absence for completing make-up work and missed learning opportunities. Parents or students requesting advance homework assignments must allow a 24-hour notice for academic work collection.

Tardiness

Our high expectations for class attendance also include punctuality and preparation. Students are expected to arrive on time and with the necessary homework, books, and materials. Each teacher at GSHS maintains his/her own tardy policy. The administration of GSHS supports each teacher’s tardy policy. Late arrival at class is discourteous to the teacher and other students and adversely affects efficient teaching.

Fees

Some classes at GSHS require a fee. The class descriptions in this Course Guide will specify if there is a fee and the amount. Fees are due at the beginning of each semester, and all fees must be paid by the second week of the semester. In classes that use a great deal of consumable materials, fees are used to pay for these expense. Families who qualify for free and reduced lunch may qualify for a reduction in fees.

Class Drop Policy

The policy of GSHS is that students are required to maximize their educational opportunities. Students are expected to shoulder the most challenging schedule they can manage. Students should have a full schedule of classes. Study periods are provided only for students facing an arduous academic burden; typically AP classes and college-level classes. **Students may not drop a class after the first two weeks of the year each semester unless they can substitute a replacement class. An independent study is not an acceptable alternative. If a drop is made after the first two weeks, it will result in a W/F (withdraw/fail) on your student’s transcript.**

The student’s parents must initiate the process of changing a student’s class by submitting a letter stating the reason for the requested change. Students may not initiate the process. On receipt of this letter the counselor will arrange a meeting with the student, the parents and the teacher of the relevant class, to determine whether a change should be recommended. *This same consultation process also applies in those cases where parents or students seek to continue studying a subject but to change the teacher.* Students are expected to persist with classes even when they are difficult. Clearly, education is better promoted by attending a class than not attending. Where students are struggling to meet the standards required by the class they are expected to put a plan in place to raise their achievement. Among the issues that students who are failing should address are: attendance, punctuality, homework completion, and class participation.

In addition, students should consider additional strategies such as finding a study buddy or a study group or using online support programs. Students should discuss their plan with their teachers. □ Teachers (not students) may recommend that students who are failing a class should switch to the audit track rather than the credit track. Students following the audit track will be expected to fully participate in class in terms of attendance, behavior and participation. Students on the audit track will receive an “AU” on their transcript rather than a letter grade, and this will not impact their GPA. A student on the audit track who raises his or her performance such that they do pass the class, will receive the grade, and the credit will appear on the transcript. Students who, in the judgment of the teacher, do not adequately participate in the audit track will receive an F grade. Students on the audit

track will be subject to weekly eligibility reporting. The purpose of the audit track is to maximize the student's education and to provide a basis for further study of the subject in the future.

CREW

Crew is a dedicated time in the week to focus on character skills, social-emotional learning and academic goal-setting. Crew provides each student a relationship with an adult crew leader at the school, as well as a consistent and ongoing small-scale peer community. It sets the stage for the development of deeper teacher-to student and student-to-student relationships which increase feeling of belonging and supports all students' success. Among other virtues "crew" is, in particular, a program that provides every student with an adult mentor whose job it is to guide the students in their care through the complex and confusing high-school years.

Advancement Opportunities

GSHS offers programs for students who wish to advance their curriculum. These options include: AP classes and dual credit classes.

Advanced Placement (AP) classes

The Advanced Placement Program® is a cooperative educational endeavor between secondary schools and colleges/universities. It provides motivated high school students with the opportunity to take college-level courses in a high school setting. Students who participate in the program not only gain college-level skills, but in many cases, also earn college credit while they are still in high school. AP courses are taught by dedicated and enthusiastic high school teachers who follow course guidelines developed and published by the College Board.

Students enroll in AP courses with the understanding that all AP courses are a full year long and are expected to take the AP subject exam at the end of the course. Interested students are encouraged to meet with a GSHS counselor for more information .

Fees: College Board exam fees must be paid in full by May 1st, currently the 2018 exam fees are as follows: \$94/exam, however GSHS plans to subsidize these fees with grant money. For the 2018 exams the costs are as follows: AP Language and Literature, for 11th graders only, FREE and all other AP exams \$60. For those who qualify, there is an additional reduction in the cost of the exams. GSHS also offers AP support classes for student enrolled in AP science and math classes. See your counselor if you are interested in enrolling in an AP support class.

Dual Credit classes

Credit for high school and college can be earned concurrently when a student enrolls in an approved Dual Credit class. To check on which courses are available for dual credit students are encouraged to meet with a GSHS counselor.

NCAA Eligibility Requirements

****Please notify your counselor as soon as possible if you are interested in playing college sports *****

Athletes who plan to enroll in college and plan to participate in NCAA Division I or Division II athletics must register at the end of their junior year to be certified by the NCAA Initial Eligibility Clearinghouse. Please consult the NCAA Clearinghouse website at www.eligibilitycenter.org for details.

GSHS Course Descriptions

Art

Art I

Grade Level: 9, 10, 11, 12

Length: Full Year

Fee: \$30

Description First year art teaches skills in the following areas: drawing techniques composition, painting, printmaking, clay, sculpture, stained glass, and art history. This is a prerequisite for most advanced art classes. [Link](#) to see examples.

Basic Art - 3D Design

Grade Level: 9, 10, 11, 12

Length: Full Year or semester

Fee: \$15 / per semester

Description: Learn the basic skills that will allow students to form, model, shape and cast art. Expect exciting projects which may include sculpture (wire, plaster carving, found objects), fiber arts (desing, sewing, batik, needle and wet felting). Serves as a prerequisite for Pottery/Ceramics, Stained Glass, Jewelry/Metalsmithing and Advanced Sewing. [Link](#)

Makerspace Artistry

Grade Level: 9, 10, 11, 12

Length: Full Year

Fee: \$40 + materials

Description: Design and produce a variety of real world objects using computer aided precision! Students will begin projects in a digital realm learning CAD (computer aided drafting) and other forms of vector based creation. Once the design phase has been completed, students will move on to production. This process will be completed using a variety of tools not limited to but including, 3D printers, a CNC machine or a laser cutter.

Upon completion, students will have developed their "design toolkit" preparing them for real world opportunities in design, production, manufacturing and much more.

Drawing

Grade Level: 10, 11, 12

Length Full Year, may be repeated

Prerequisite: Art 1 or teacher approval

Fee: \$40

Description: Drawing is the foundational skill for all visual art forms. This class will strengthen your ability to perceive and draw proportions more realistically as well as add the illusion of three-dimensionality to your artwork by shading according to a light source. The first semester will place an emphasis on drawing from life and will include projects in still-life, landscape, the human figure, and portraits. Second semester will use these foundational skills in more creative and expressive projects. [Link](#)

Painting

Grade Level: 10,11,12

Length: Full Year

Prerequisite: Art 1 or teacher approval

Fee: \$ 40

Description: Students will learn painting techniques with many media including; watercolor, acrylic, oil, pastels and more. The class will emphasize quality compositions, technical skills, and creativity. Students will participate in shows, critiques and gallery walks. Come expecting to find your work change and get better just in a year! In exceptional circumstances students may be admitted to the program who have not taken Art I. Students should talk to a member of the art faculty to discuss the alternative admission requirements. [Link](#) to see examples.

Pottery / Sculpture

Grade Level: 10, 11, 12

Length: Full Year, may be repeated

Prerequisites: Art I or Basic Art 3D Design, or teacher approval

Fee: \$40

Description: The course is for those who wish to concentrate on three-dimensional art. Functional ceramics, the potter's wheel, and abstract sculpture are some of the projects. In exceptional circumstances students may be admitted to the program who have not taken Art I. Students should talk to a member of the art faculty to discuss the alternative admission requirements.

Jewelry

Grade Level: 10, 11, 12

Length: One Semester

Prerequisites: Art I or Basic Art 3D Design

Fee: \$25

Description: Here is the ultimate way to let your talent shine and your creativity sparkle. The sky's the limit when it comes to your own designs. We will create projects using sterling silver, semi-precious stones and everyday materials. This class teaches how to produce necklaces, bracelets, pins and earrings that are individual and expressive in design, while also developing the basic skills in jewelry making. In exceptional circumstances students may be admitted to the program who have not taken Art I. Students should talk to a member of the art faculty to discuss the alternative admission requirements"

Advanced Jewelry

Grade Level: 10, 11, 12

Length: One Semester, may be repeated

Prerequisites: Jewelry

Fee: \$25

Description: Students will create unique and individual projects using vacuum casting for silver and gold jewelry, hammered metal- smithing techniques, and advanced work in stone setting.

Stained Glass

Grade Level: 10, 11, 12

Length: One Semester, may be repeated

Prerequisites: Art I or Basic Art 3D Design, or teacher approval

Fee: \$25 + cost of glass

Description: This class is for the serious art student who would like to learn a craft that will enable them to support themselves from their art. The class will cover methods of copper foil fabrication, slumping and fusing. Students will need to buy all their own glass. In exceptional circumstances students may be admitted to the program who have not taken Art I. Students should talk to a member of the art faculty to discuss the alternative admission requirements.

Beginning Sewing

Grade Level: 9, 10, 11, 12

Length: One Semester

Fee: \$15 + materials

Description:

Basic sewing skills are taught as students progress from simple to more complex projects. This course covers the use of sewing machines, commercial patterns, pattern- fitting, and sewing terms. Basic quilt and creative stitchery techniques are taught. Expenses for fabric and patterns vary with project selection. May be combined with Basic Art: 3-D design. [Link](#)

Advanced Sewing

Grade Level: 9, 10, 11, 12

Length: One Semester, may be repeated

Prerequisites: Beginning Sewing

Fee: \$15 + materials

Description:

Reflect your own unique personality by designing, fitting, and constructing your own clothing, quilting or textile creations. This class will cover advanced sewing techniques such as the use of a 4-thread surger, rotary cutters, mats and weights. We will go into more detail with pattern-fitting, tailoring, pattern-drafting and appliqués. Students will create unique and individual clothing, quilts, art or home-decorating projects. Expenses will vary with project selection.

Photography

Grade Level: 10, 11, 12

Length: Full Year

Prerequisite: Have own Digital Camera or phone

Fee: \$30

Description: Photography is a year long class exploring both digital and film photography. Photo projects will include landscapes, portraits, action shots, and special effects where the original photo is manipulated using software like Adobe Photoshop. Most of second semester will be spent developing black and white photos in the darkroom, so access to a SLR film camera is helpful but not required. A digital camera (could be a phone) is however required, and is not provided by the school. [Link](#)

Digital Art and Graphic Design

Grade Level: 10, 11, 12

Length: Full Year

Fee: \$15

Description: This is like art class on a computer! You will use programs like Adobe Photoshop to create graphic art and design projects like logos, posters, advertisements, ski/snowboard graphics, cartoon characters, comic books, digital paintings, etc. If you are interested in a career in the creative sector, this class will help you build the 21st century art and computer skills you will need to succeed! [Link](#)

Build & Design (co) studio

Grade Level: 9, 10, 11, 12

Length: Full Year

Fee: \$30 + materials

Description: This ain't your daddy's woodshop class. (co)studio infuses core subject learning with design thinking, hands-on technical training, and industry relevant mentorships. Through the design and construction of real world projects for community benefit, our students attain a wide range of creative and critical thinking skills, the ability to communicate their ideas visually and verbally, and the confidence to actively engage the world beyond the walls of any classroom.

Students will be exposed to a wide range of technical skills in the woodshop while using design thinking as a process for creative output. Previous projects have included the design and construction of cornhole boards, public outdoor furniture, and chicken coops.

Build & Design 2 (co)studio

Grade: 10, 11, 12

Length: Full Year

Prerequisites: Intro to Design + Build

Fee: \$30 + materials

Description: Students will be exposed to a wide range of technical skills in the woodshop while using design thinking as a process for creative output. Previous projects have included the design and construction of chicken coops, and a concession stand for GSHS.

AP Studio Art

Grade: 11, 12

Length: Full Year
Fee: \$50 PLUS AP Portfolio Fee (Set by College Board)
Prerequisite: Two art courses or instructor approval
Description: This course is part of the National College Board AP program for the serious art student seeking college art credit or a creative challenge. There are three different portfolios (Drawing and painting, 2-D design and 3-D design) Please read all the descriptions below in order to determine which class is best for you. You may also bring your work to one of the art teachers to help with the decision.

During the first semester in all the courses, a breadth of visual problems will be explored. During second semester, students will develop their own visual language and voice or the Concentration part of the portfolio. Original artwork completed prior to the class may apply to the AP Portfolio if the student has achieved a proficient or advanced level in manipulative skills and concepts. Students will work simultaneously in and outside of class to complete their requirements. They will also participate in art shows and critiques.

All enrolled students are required to submit a substantial digital portfolio of artworks to the College Board to be scored—colleges may grant credit based on the score.

The three different portfolios: Pick which fits you the best

1. AP Drawing and Painting: For the student who has a passion for drawing and painting. Student must be very creative. Can draw and paint with creativity as well as realistically. Students will submit 24 pieces to the college board.
2. AP 2-D Design: For the student whose work is strong in design. This can include the photographer, the computer arts, and drawing and painting if the style tends to be graphic (see instructor to help label your style). Students will submit 24 pieces to the college board.
3. AP 3-D Design: For the student who produces projects with clay, glass, wire, wood or metal (including jewelry).

Business / Marketing Education

Pathways:

YEAR 1: Intro to Business or BUS 115

YEAR 2: Marketing & Entrepreneurship

YEAR 1 OR YEAR 2: Business Computer Applications & Economics

Introduction to Business is a recommended prerequisite for Marketing and Entrepreneurship.

Introduction to Business

Grade Level: 9th- 12th

Length: Full Year

Description: According to the Princeton Review, the #1 college major in the USA is business. Introduction to Business is a full year course for general education in basic business practice. Topics include study of the American economic system, entrepreneurship, money management, banking, career planning, saving, investing, credit, employment, marketing, and consumerism. This course is strongly recommended for Marketing and Entrepreneurship students. Students are encouraged to participate in DECA (An Association of Business & Marketing Students). DECA members will have many opportunities to participate in competitive business events and develop leadership skills.

Business Computer Applications

Grade Level: 9th- 12th

Length: Semester

Description: With increased use of computers in our daily lives, it is crucial that students develop the ability to efficiently use a computer. This course provides an introduction to computer applications including Word, Excel, Access and PowerPoint. The knowledge of these applications is vital for the student in high school, college, and in his or her career. Students will earn a Microsoft Office Certification and obtain a certification logo that they can display on their resumes and other business materials.

Economics

Grade Level: 9th- 12th

Length: Semester

Description: Students will learn the concepts of micro- and macro-economics by exploring the basic characteristics of the U.S. economic system and how economic principles influence business decisions. The course also introduces students to career opportunities and consumer issues. The course will give students a thorough understanding of the basic principles of economics that apply to economic growth as well as the concepts of supply and demand, the workings of a firm, and the role of the government in our economy. The course will apply these concepts to current events and issues.

Entrepreneurship

Grade Level: 10th- 12th

Length: Semester

Prerequisite: *Introduction to Business is a recommended prerequisite for Entrepreneurship.*

Description: Entrepreneurship teaches students the essential elements of how to start their own business and create a business plan. Students will learn about advertising, competitive advantages, financing, marketing, and product development. This course introduces students to the nature of business and entrepreneurship as the vehicle for making money by creating wealth and producing goods and services for a profit in a free enterprise economy. Students are encouraged to participate in DECA (An Association of Business & Marketing Students). Students will test their knowledge in DECA related activities. Those choosing to participate in DECA club activities will have an opportunity to visit New York city in November to tour and study area businesses.

Marketing

Grade Level: 10th- 12th

Length: Semester

Prerequisite: *Introduction to Business is a recommended prerequisite for Marketing.*

Description: Marketing is a semester designed for the student who wants to explore marketing, sales and the business world. Units of study include advertising and promotion, sales, product planning, pricing, economics, distribution, market research and how to apply and interview for a job. In addition, students will work on various group projects similar to those in college level business courses. Students are encouraged to participate in DECA (An Association of Business & Marketing Students). Students will test their knowledge in DECA related activities. Those choosing to participate in DECA club activities will have an opportunity to visit New York city in November to tour and study area businesses.

Concurrent Enrollment Courses at CMC

BUS 115 CMC - Introduction to Business. (3 Credits)

Grade Level: 11-12

Length: Fall Semester only

Description: Focuses on the operation of the American business system. Covers fundamentals of the economy, careers and opportunities, marketing, management, production, governmental regulations, tools of business and social responsibilities.

MAR 175 Basic Customer Service (1 Credit)

Grade Level: 11-12

Length: Spring Semester only

Description: Focus on basic concepts and techniques needed to effectively serve customers. Specific emphasis given to manage customer expectations by building customer rapport and create positive outcomes. 1 credit CMC concurrent enrollment

BUS 181 Business Internship (1 Credit)

Grade Level: 11-12

Length: Spring Semester only

Description: Provides students with the opportunity to supplement course work with practical work experience related to their educational program and occupational objectives. Students are placed at approved work sites that are related to their program of study. They work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor/coordinator.

English

English I-

Grade Level: 9

Length: Full Year

Description: This course is designed for students who have completed the 8th grade Language Arts requirement. It incorporates the study of literature, poetry, short stories, grammar, mechanics, usage, and various forms of composition. It emphasizes fundamentals of written communication.

English II-

Grade Level: 10

Length: Full Year

Prerequisites: English I

Description: English II is designed to build upon the English I curriculum. The class will include reading literature and writing various types of essays.

Creative Writing

Grade Level: 11, 12

Length: One Semester

Prerequisites: Seminar 1 and 2

Description: This is a writing composition course in which students compose and analyze poetry, short fiction, playwriting as well as create multi-genre projects to showcase writing skills developed. This class will focus on the creative process and the development of creative writing through intensive writing projects and study.

Shakespeare

Grade Level: 11, 12

Length: One Semester

Prerequisites: Seminar 1 and 2

Description: This course is designed to expose students to the comedies and tragedies of William Shakespeare through reading, field trips and observation to the works of the Bard. The course will examine the Elizabethan period of history and its literary relevance.

Film as Literature

Grade Level: 11, 12

Length: One Semester

Prerequisites: Seminar 1 and 2

Description: It's all about what makes a good story. This class explores how the stories in films connect to us in meaningful ways, reflecting who we are and the potential of what we could be. Based upon core elements of traditional fiction literature, we will analyze films at a deep level, discuss and debate meanings, and by the end of the semester you will present and teach to the class your own choice of story that reveals the class concepts as you see them.

AP Language and Composition

Grade Level: 11 (All)

Length: Full Year

Fee: College Board exam fee

Description: Writing improves thinking and thinking improves writing: it's a win-win situation for your mind and for your future. This course enables you to read complex texts with understanding and to write in sufficient richness and complexity to communicate with mature readers. You will write in both informal and formal contexts to gain authority and learn to take risks in writing. This class will give you the advantage you want to succeed in any other high-level courses, even beyond high school into college.

AP English Literature

Grade Level: 12

Length: Full Year

Prerequisites: Teacher Approval

Fees: Student must purchase textbook & College Board exam fee

Description: This course is designed for students who excel in writing and in the study of literature. In-depth analysis and mature discussions of literary work are expected. Students study short stories, plays, poems, essays, and novels from Ancient Greece to present day. Students are expected to read and comprehend the assigned material, participate in class discussion, write well-organized papers, complete all assignments, and work independently on some novels. Students may elect to take the AP English Literature® exam (for which colleges may award credit or advancement based on the exam score) in May.

The following classes are offered to English Language Learners (ELL) and can be used to meet the graduation requirement for English courses.

ELL Language: ELD 1-Novice level, ELD 2-Intermediate ELD 3-Advanced

Grade Level: 9, 10, 11, 12

Length: Full Year

Prerequisites: ELL Program Placement

Description: Classes are designed to meet the individual educational needs of students who are Limited English Language Proficient. Enrollment is limited by Colorado and Federal requirements. Individual schedules will be determined for each ELL student according to their abilities and the Roaring Fork School District placement matrix. Emphasis is placed on speaking, listening, reading and writing.

Foreign Language

Spanish I

Grade Level: 9, 10, 11

Length: Full Year

Description: Students begin learning the language by covering essential themes modeled after the AP curriculum: Health, Social Relationships, Global Challenges, and Science and Technology. While covering topics under these themes, students focus on listening and reading comprehension skills as they develop usable vocabulary. They also focus on pronunciation and oral production, all while intrinsically developing language structures.

Spanish II

Grade Level: 9, 10, 11, 12

Length: Full Year
Prerequisites: Spanish I or Teacher Approval
Description: Students continue developing listening and reading comprehension skills by using more authentic texts and resources falling under the same essential themes modeled after the AP curriculum: Health, Social Relationships, Global Challenges, and Science and Technology. Students continue to focus on listening and reading comprehension skills more in depth as they develop additional useful vocabulary. Students further develop their oral production through various oral exercises and assessments, all while continuing to intrinsically developing language structures.

Spanish III

Grade Level: 10, 11, 12
Length: Full Year
Prerequisites: Spanish II or Teacher Approval
Description: Students further develop listening and reading comprehension skills by utilizing more complex authentic texts and resources falling under the same essential themes modeled after the AP curriculum: Health, Social Relationships, Global Challenges, and Science and Technology. Students are orally proficient at this time, able to discuss in-depth, current and historical events under each theme. They have developed complex grammar structures and advanced vocabulary by studying the same themes each year. They have built strong connections between these themes and will be able to move on to AP Spanish Language and Culture the following year.

Intercambio

Grade Level: 9,10,11,12
Length:
Prerequisites: Spanish 1 and Spanish 2 for students who Spanish is not their first language
Description: This class is designed for students who would like to improve their conversational Spanish skills while simultaneously helping students who are learning English improve their conversational skills. The class is taught in both English and Spanish, and students have ample opportunities to practice in the target language. Topics include (but are not limited to) families, cooking, entertainment, hobbies, games, professions, current events, and practice with various verb tenses. A major goal of this class is forming community and getting to know people from different backgrounds.

Spanish for Native Speakers 1

Grade Level: 9, 10, 11, 12
Length: Full Year
Prerequisite: Placement test/oral interview administered by the Foreign Language Dept.
Description: This course is conducted entirely in Spanish, and is intended for students that are native or heritage speakers of Spanish who are interested in developing literacy skills in the Spanish language. Students will focus on reading and writing in Spanish along with the appropriate use of register. Students will come to appreciate the rich diversity of the Hispanic community as they are encouraged to share their own culture and traditions with other members of the class. They will work to improve oral presentation and demonstration skills while fine-tuning their writing skills and grammatical accuracy. The goal of this course is not only to polish each student's skills in Spanish, but also to reinforce the study skills necessary for success in all courses.

Spanish for Native Speakers 2

Grade Level: (9) 10, 11, 12
Length: Full Year
Prerequisite: Placement test/oral interview administered by the Foreign Language Dept.

This course conducted entirely in Spanish, is intended for students that are native speakers of Spanish and who are literate in the Spanish language. Students will focus on reading and writing skills in Spanish, the appropriate use of register, and learn about the history and cultures of the Hispanic world. Students will come to appreciate the rich diversity of the Hispanic community as they are encouraged to share their own culture and traditions with other members of the class. They will read and discuss Hispanic literature, improve oral presentation and demonstration skills while fine-tuning their writing skills and grammatical accuracy. It is our hope that these students will leave this course with the skills and confidence necessary to continue on with their language study at the Advanced Placement level at Glenwood Springs High School as well as continuing on into intermediate and advanced university Spanish courses.

AP Spanish Language

Grade Level: 11, 12

Length: Full Year

Prerequisites: Spanish III

Fee: College Board exam fee

Description: AP Spanish Language and Culture is a class designed for students who would like to earn college credit in Spanish by taking and passing the Spanish Language AP test. Students should be aware that the Spanish AP test is a very difficult test. With three years experience studying essential AP themes, students focus primarily on expanding academic vocabulary, grammar accuracy, reading fluency, and writing accuracy.

AP Spanish Literature and Culture

Grade Level: 10, 11, 12

Length: Full year

Prerequisite: Prerequisite for native Spanish speakers: Spanish for Native Speakers

Prerequisite for non-native speakers: B or higher in AP Spanish Language, teacher recommendation

Description: This course is conducted entirely in Spanish. Advanced Placement Spanish Literature and Culture course is designed to provide students with a learning experience equivalent to that of an introductory college course in literature written in Spanish. The course introduces students to the formal study of a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive, and presentational) and the five goal areas (communication, cultures, connections, comparisons, and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills — with special attention to critical reading and analytical writing — and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. (2014 AP Course Description)

French I

Grade Level: 9, 10, 11, 12

Length: Full Year

Fee: \$15

Description: This course focuses on listening, speaking, reading, and writing in the French language through the TPRS method. These skills will be developed through storytelling, acting, music, and film. Students will focus on developing the ability to both read and write stories in French. Students will also explore some of the unique cultural and historical influences of the French culture in our world today.

French II

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: French I

Fee: \$15

Description: This course focuses on listening, speaking, reading, and writing in the French language through the TPRS method. These skills will be developed through storytelling, acting, music, and film. There is a greater emphasis on verbal skills, written skills, and reading comprehension. Students will also explore some of the unique cultural and historical influences of the French culture in our world today. We will read short stories and a novel in French.

French III

Grade Level: 11, 12

Length: Full Year

Prerequisites: French II

Fee: \$15

Description: This course focuses on listening, speaking, reading, and writing in the French language through the TPRS method. These skills will be developed through storytelling, acting, music, and film. There is a greater emphasis on verbal skills, written skills, and reading comprehension. We will read two short novels in French. Students will continue to explore some of the unique cultural and historical influences of the French culture in our world today.

French IV

Length: Full Year

Prerequisites: French III

Fee: \$15

Description: This course focuses on listening, speaking, reading, and writing in the French language with an emphasis upon gaining fluency in the French language. Longer conversations and more writing will be expected than in the previous years, as well as oral presentations. We will continue to focus on storytelling, acting, music, and film. We will read two novels in French and watch two feature-length French films. We will use these novels and films to study French language and culture in more depth.

Health/Financial Literacy

Health

Grade Level: 10

Length: One Semester

Description: This course is designed to teach life-long skills and concepts that coincide with the National Health Standards, with emphasis on improving one's personal health and safety. Topics covered will include: nutrition, stress management, communication skills, decision making skills, self-esteem, reproductive education, tolerance, teen violence, and drug & alcohol education.

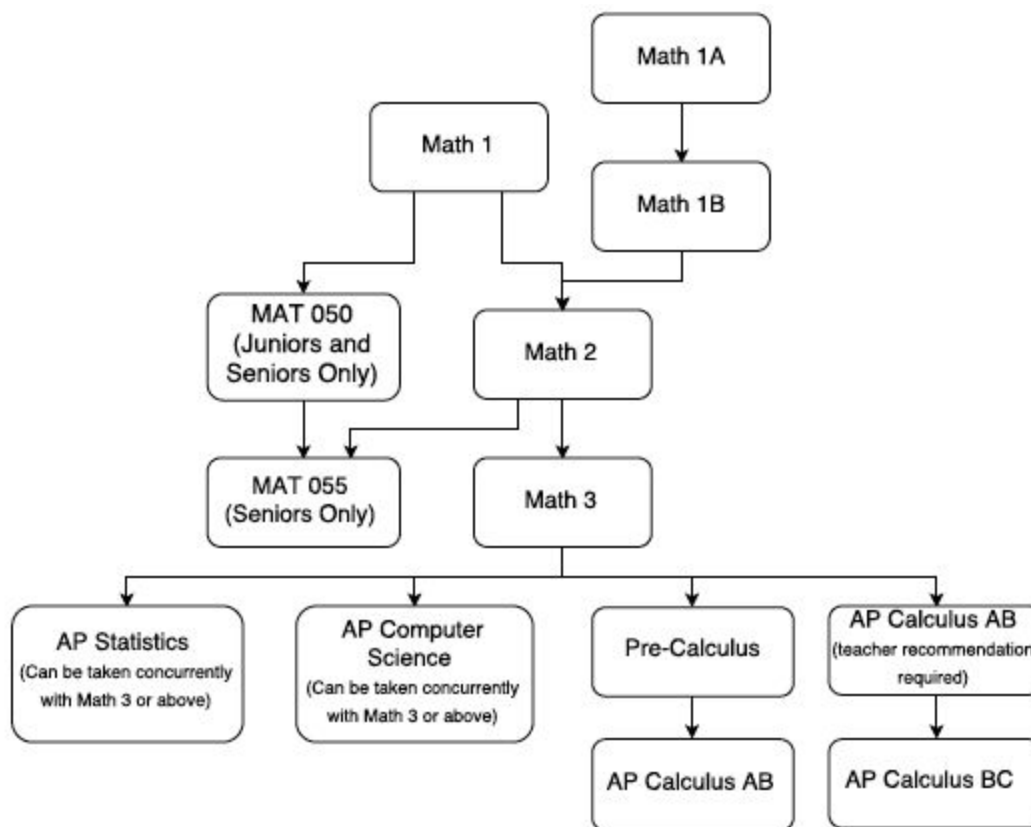
Financial Literacy

Grade Level: 10.11.12

Length: One Semester, recommended to pair with Health

Description: This course focuses on all aspects of financial literacy including: managing personal finances, checking accounts, saving, investing, budgeting, smart spending, understanding credit and insurance, reading legal documents such as apartment leases, cell phone, internet and cable company contracts. Community experts in these fields will be guest speakers. Students will participate in mock independent living situations to practice what they've learned in real-world scenarios.

Math



Math 1

Grade Level: 9, 10, 11, 12

Length: Full Year

Description: The focus of this class will be upon the Colorado State Standards for High School Math. The standards for first semester will include: functions (defining, writing, evaluating, and describing functions), linear and exponential functions in multiple representations (such as graphs, data tables, equations), using functions to model real-world situations, solve linear equations and inequalities algebraically. For second semester, the standards will include: statistics (representing data in a variety of methods, measures of central tendency, lines of best fit, and normal distributions), and geometry (geometric definitions, transformations, congruency, and using properties of lines, angles, triangles, and parallelograms).

Math 2

Grade Level: 9, 10, 11, 12

Length: Full Year

Prerequisites: Math 1 or Teacher Recommendation

Description: This class will focus upon the following standards for first semester: probability (finding probability and conditional probability using two-way tables, tree diagrams, and venn diagrams, calculating probabilities of mutually exclusive and non-mutually exclusive events, and calculating independent and dependent probabilities), sequences (writing explicit and recursive equations for: arithmetic and geometric sequences, and linear, exponential, and quadratic functions), quadratics (graphing quadratics in a variety of forms, solving quadratics using different methods, converting between the different forms of quadratics, and imaginary roots of quadratics), exponential functions (converting between rational exponents and radicals, simplify rational exponential expressions and radical expressions, graphing exponentials, and solving exponential equations), and functions (being able to identify domain and range, graphing and writing equations of piecewise functions, graphing and writing equations of absolute value functions, solving absolute value equations, and being able to work with and write equations for inverse functions). Second semester standards will include: geometry (geometric definitions, proofs, constructions, triangle relationships, parallel line relationships, altitudes, medians, bisectors, centers of

triangles, quadrilaterals, polygons, similarity, dilations, rotations, proportions, pythagorean theorem, and trigonometry), circles (centers of dilation, centers of rotation, chords, arcs, inscribed angles, central angles, circumscribed angles, areas of sectors, arc length, and radians), conics (writing and graphing equations of circles in standard form, converting from general form to standard form for equations of circles, writing and graphing equations of parabolas using the focus and directrix).

Math 3

Grade Level: 10, 11, 12

Length: Full Year (1 period)

Prerequisite: Math 2 (may take concurrently with pre-calculus)

Description: This course reviews, refines and expands on the essential skills introduced in math 2, and it introduces new skills that prepare students for pre-calculus. The focus of this class will be upon the Colorado State Standards for High School Math. First semester standards will include: inverse functions (graphing, combining, composite and inverse functions of linear, quadratic, square root, exponential and logarithmic functions and their inverses), exponential and logarithmic functions (converting between rational exponents and radicals, simplify rational exponential expressions and radical expressions, graphing exponentials, writing exponential functions such as compound interest problems, and solving exponentials, using logarithms to solve exponential equations, graphing logarithmic functions, evaluating logarithmic expressions, solving logarithmic equations), polynomial functions (solving for real and imaginary zeros in polynomial functions and graphing polynomial functions). Second semester standards will include: rational functions (graphing, solving rational equations and inequalities, simplifying rational expressions, and rational expression operations), geometry (3-dimensional shapes, volumes of revolution, special right triangles, law-of-sines, law-of-cosines, and area of non-right triangles), and trigonometry (modeling, graphing, and writing equations of sine and cosine functions, trigonometry in the coordinate plane, radians, inverse trigonometric functions, and solving basic trigonometric equations).

Pre-Calculus

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Math 3 and Teacher Approval

Description: This course will focus upon functions (transformations, combinations, and compositions), trigonometric identities and equations (solving trig equations with identities, sum and difference identities, double angle, half angle, product to sum, sum to product), applications of trigonometry (polar equations, parametric equations, and vectors), systems of equations and inequalities (systems of linear equations in 2 and 3 variables, systems of non linear equations, partial fractions, matrices and matrix operations), analytic geometry (ellipses, hyperbola, conic sections in polar coordinates), sequences (arithmetic and geometric sequences, series, counting principles, binomial theorem, probability), and an introduction to calculus (limits, continuity, and derivatives).

CMC MAT 050 (Quantitative Literacy)

Grade Level: 11,12

Length: Full Year

Description: Develops number sense and critical thinking strategies, introduce algebraic thinking, and connect mathematics to real world applications. Topics in the course include ratios, proportions, percents, measurement, linear relationships, properties of exponents, polynomials, factoring, and math learning strategies. This course prepares students for Math for Liberal Arts, Statistics, Integrated Math, and college level career math courses.

CMC MAT 055 (Algebraic Literacy)

Grade Level: 12

Length: Full Year

Prerequisites: MAT 050 or Math 2

Description: Develops algebraic skills necessary for manipulating expressions and solving equations. Topics in the course include radicals, complex numbers, polynomials, factoring, rational expressions, quadratic equations, absolute value equations and inequalities, systems of linear equations, related applications, and math learning strategies. This course prepares students for College Algebra and Finite Math.

AP Calculus AB

Grade Level: 11, 12

Length: Full Year

Prerequisites: Math 3 or Pre-Calculus and Teacher Approval

Fee: College Board exam fee

Description: This course is intended for serious college-bound students. The course is the first of what is commonly a three-semester sequence of college calculus. It introduces single-variable differential and integral calculus. Study will include limits, continuity, differentiation, and definite and indefinite integration, including applications of the derivative and integral. Students will have the opportunity to take the AP Calculus AB exam in May for which colleges may award credit or advancement based on the exam score.

AP Calculus BC

Grade Level: 12

Length: Full Year

Prerequisites: AP Calculus AB

Fee: College Board exam fee

Description: This course is an extension of AP Calculus. It will include topics such as applications of integrations, more advanced techniques of integration, polar coordinates, analytic geometry, improper integrals and infinite series. Students will take the AP Calculus BC exam in May giving them the opportunity to gain credits for two semesters of college credit for a Calculus I/Calculus II sequence.

AP Statistics

Grade Level: 11, 12

Length: Full Year

Prerequisites: Concurrent enrollment in Math 3

Fee: College Board exam fee

Description: This course introduces students to concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to four primary areas: data exploration, sampling and experimentation, analyzing and anticipating patterns, and drawing statistical inferences. The work involved in these areas will include analyzing and mathematically describing patterns, planning and conducting statistical studies, using probability and simulation to model situations, and forming and testing hypotheses. Students will take the AP Statistics exam in May giving them the opportunity to gain college credit for a one semester college statistics course.

Music

Symphonic Band and Wind Ensemble

Grade Level: 9, 10, 11, 12

Length: Full Year

Prerequisites: Director approval/audition and previous instrument experience

Fee: \$20

Description: The primary focus of the GSHS Band program is on performance. Band members will learn musical skills and performance techniques through the style of a variety of Band literature. Regular performance exams will be part of the class, and practice outside of class will be necessary to complete performance assignments. Students will be expected to perform at various concerts and competitions as decided by the director. Students will have an opportunity to compete for selection to a variety of District and State Honor Band. Band members must commit to attendance and performance/festival requirements. Students will be placed in one of the three bands based on their experience, knowledge, and skill. Concert Band focuses on grade 2 and 3 music, Symphonic Band focuses on Grade 3 and 4 music, Wind Ensemble plays Grade 4 music and prepares for Honor Bands, All State, and other competitions.

Jazz Band

Grade Level: 9, 10, 11, 12
Length: Full Year
Prerequisites: Director approval/audition and previous instrument experience
Fee: \$10
Description: The Jazz Band will perform a variety of music in diverse styles and complexity, including Big Band, Swing, Latin, Funk and Blues. Students will study advanced theory, harmonies and improvisation techniques. Performances will include Winter and Spring Concerts, Honor Jazz Bands and may include other public performances that are requested during the year. The Jazz Band may participate in a competitive or non-competitive Jazz Festival depending on the size and make-up of the group.

Percussion

Grade Level: 9, 10, 11, 12
Length: Full year
Prerequisites: None
Fee: \$10
Description: All are welcome. No prior experience in music required. In Percussion Ensemble, students will learn and practice techniques to perform pieces written and arranged specifically for percussion instruments. They will also provide percussion for Wind and Symphonic Bands. Percussion Ensemble will seek out additional performance opportunities at various school events and in the community. Students will also be encouraged to create their own musical arrangements for percussion ensemble in any genre.

Guitar

Grade Level: 9, 10, 11, 12
Length: One Semester
Prerequisites: Students must provide their own acoustic guitar for the class (assistance may be available on request).
Fee: **\$10 (plus guitar purchase or rental)**
Description: This course will cover basic techniques for playing the guitar. Students will learn how to read music notation and understand chords, scales, and harmonic analysis. They will also learn the history of the guitar and explore the inner workings of the language of music. Students will compose their own music by learning different styles throughout the history of guitar. Students will perform for class or teacher for final evaluation.

Digital Composition

Grade Level: 9, 10, 11, 12
Length: Full Year or Semester
Prerequisites: None
Fee: All are welcome. No prior experience in music required. In Digital Composition, students will explore creating music with various music technologies. Students will learn how to record, produce, mix, and compose sounds in a wide range of musical styles. The class will contain a personalized curriculum that meets the needs and interests of each individual student supplemented by group projects. The personalized curriculum will allow for students to work within genres of their choosing including, but not limited to, rap, hip-hop and R&B, rock, pop, electronica, jazz, classical, etc. The group project component affords the opportunity for students to encounter a wide range of diverse musical backgrounds and interests, and to have the rewarding experience of creating music in a group setting.

Chamber (Concert) Choir

Grade Level: 9, 10, 11, 12
Length: Full Year; non-auditioned
Fee: \$20 for uniform maintenance (waived if uniform is purchased)
Description: Students will learn various skills to develop and improve their musicianship including proper singing technique, how to read music, and some music theory and history. This choir performs 3-4 required concerts per year. Members are provided other performance opportunities such as various state and regional honor groups. Grades are based on attendance, participation, and music reading progress as well as written and performance-based assessments.

Varsity Choir

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Audition and music reading skills

Fee: \$20 for uniform maintenance (waived if purchased)

Description: Varsity Choir is a select choir consisting of members chosen by audition. Students must have 1 year of concert choir to be considered, or by director recommendation. Members learn various skills to improve their musicianship including proper singing technique and some music theory and history. This choir performs at least 4 required concerts per year as well as clinics, contests, festivals throughout the state, and other performances within the community. Members are provided other performance opportunities such as solo/ensemble contests and various state and regional honor groups. Grades are based on attendance, participation, and music reading progress as well as written and performance-based assessments.

Physical Education

Team Sports/ Individual Sports

Grade Level: 9, 10, 11, 12

Length: Full Year, may be repeated if space is available

Description: This is a very traditional Physical Education class. This course may include Flag Football, Basketball, Volleyball, Soccer, Floor Hockey and Softball. Teamwork and sportsmanship will be stressed as well as proper technique and strategies. The Individual Sports segment of the class will focus on lifetime individual activities. Recreation and leisure will be stressed.

Women's Team Sports/Individual Sports

Grade Level: 9,10,11,12

Length: Full Year, may be repeated if space is available

Description: This is a very traditional Physical Education class for females. This course may include Flag Football, Basketball, Volleyball, Soccer, Floor Hockey and Softball. Teamwork and sportsmanship will be stressed as well as proper technique and strategies. The Individual Sports segment of the class will focus on lifetime individual activities. Recreation and leisure will be stressed.

Women's Fitness

Grade Level: 9, 10, 11, 12

Length: Full Year, may be repeated if space is available

Description: This course will focus on the cardiovascular, muscular and skeletal systems. Units in this class will include kickboxing, step aerobics, Zumba, fitball, yoga, HIIT (high intensity interval training), TRX, Cycling, hiking, swimming, walking and jogging. In the weight training segment students will study the muscular and skeletal systems and will learn basic lifting techniques and safety. There may be periodic fees to cover additional expenses.

Basketball

Grade Level: 9,10,11,12

Length: Full Year, may be repeated if space is available

Description: This class is for the student who is serious about basketball, but not necessarily someone who is looking to play on the high school basketball team. Students will learn the rules of the game, proper techniques, skills, and drills to improve their overall basketball ability. Students will be responsible for creating their own portfolio including their personal philosophy on basketball. Students will also participate in intramural tournaments against other teams within the class.

Strength & Conditioning

Grade Level: 9, 10, 11, 12

Length: Full Year, may be repeated if space is available

Description: This introductory course is designed to teach basic weight lifting/spotting techniques and form. Students will be exposed to aerobic and anaerobic conditioning, plyometrics, strength training, agility drills, core stabilization and flexibility. Skeletal and muscular systems will be studied and applied to physical movement.

Advanced Strength & Conditioning

Grade Level: 10, 11, 12

Length: Full Year, may be repeated if space is available

Prerequisite: Completion of Strength & Conditioning, and/or Teacher Approval

Description: This is an advanced course and will provide the student with an intensive workout designed to teach methods and sport-specific lifts to increase speed, power, strength, and explosion. Emphasis on olympic lifts, plyometrics, flexibility, core stabilization, agility and aerobic and anaerobic cardiovascular training will be included. Nutrition and muscle awareness will also be incorporated.

Women's Advanced Strength & Conditioning

Grade Level: 10, 11, 12

Length: Full Year, may be repeated if space is available

Prerequisite: Completion of Strength & Conditioning, and/or Teacher Approval

Description: This is an all female advanced course and will provide the student with an intensive workout designed to teach methods and sport-specific lifts to increase speed, power, strength, and explosion. Emphasis on olympic lifts, plyometrics, flexibility, core stabilization, agility and aerobic and anaerobic cardiovascular training will be included. Nutrition and muscle awareness will also be incorporated.

Outdoor Education

Grade: 11, 12

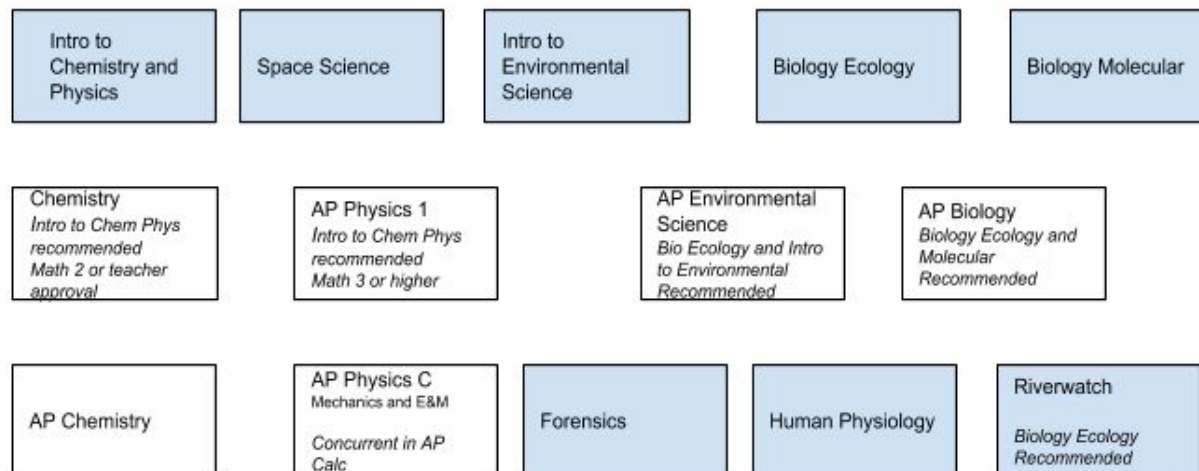
Length: One Semester

Fee: \$100

Description: Outdoor Education is an experientially-based program designed to facilitate a deep understanding of the beautiful and complex area in which we live. The course incorporates outdoor skills and experiences with a study of natural and human history, as well as development of ever-important inter- and intra-personal skills (personal responsibility, leadership, integrity, self-awareness, etc.). Through experiences such as backpacking, rafting, snowshoeing, hiking, etc., students will leave this course as competent "outdoorspeople" who are responsible stewards of the natural world.

Science

The following diagram is not a strict flowchart because there are **multiple pathways** you can take during your science career. The shaded courses are semester classes. Freshmen will choose two of the courses from the first row. Sophomores through juniors can take courses from any of the rows (Chemistry, AP Physics 1, AP Chemistry, and AP Physics C have math prerequisites).



Space Science

Grade Level: 9, 10, 11, 12

Length: One Semester

Description: IPS 2 is a Hands-on, research-based approach to investigate interaction of the earth sciences and the physical world with a special focus on Colorado's unique geology. Using engaging investigations students explore the physical and chemical dynamics that have formed and continue to influence the four spheres of Earth today. Students develop evidence based explanations along with analytic and critical thinking skills. Topics include: geomorphology (how Earth's surface is changing), energy and resources derived from the Earth and the effects of using these resources, tectonic processes and evolution, and how changes to Earth influence climate.

Environmental Science

Grade Level: 9, 10, 11, 12

Length: One Semester

Description: IPS 2 is a Hands-on, research-based approach to investigate interaction of the earth sciences and the physical world with a special focus on Colorado's unique geology. Using engaging investigations students explore the physical and chemical dynamics that have formed and continue to influence the four spheres of Earth today. Students develop evidence based explanations along with analytic and critical thinking skills. Topics include: geomorphology (how Earth's surface is changing), energy and resources derived from the Earth and the effects of using these resources, tectonic processes and evolution, and how changes to Earth influence climate

Intro to Chem/Physics

Grade Level: 9, 10, 11, 12

Length: One Semester

Description: PS 3 is a Hands-on, Minds-on approach to investigate physical science. Using engaging investigations students explore the basics of physics and chemistry. Students develop evidence based explanations along with analytic and critical thinking skills. Topics include: Newton's Laws of motion, forces, physical and chemical properties, chemical reactions, conservation of mass and energy.

Biology 1 (Molecular)

Grade Level: 9, 10, 11, 12

Length: One Semester

Description: Biology is a laboratory science course that introduces students to the life functions and processes that drive our living world. Topics include: Biomolecules and metabolism, cell regulation and homeostasis, energy transfer processes, and molecular biology (DNA and information transfer).

Biology 2 (Ecology)

Grade: 9, 10, 11, 12

Length: One Semester

Description: Biology is a laboratory science course that introduces students to the life functions and processes that drive our living world. Students will explore the movement of matter and energy through an ecosystem, population interactions, evolution of populations, genetic inheritance, and the growth and development of organisms.

Chemistry

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Math 2 or Teacher Approval

Fee: \$20

Description: This is a college-preparatory course that introduces the concepts of general chemistry. Chemistry is the study of the structure of matter and the changes that matter undergoes. Topics include: atomic structure and the periodic table, compounds and their formulas, chemical equations, chemical-bonding, energy of reaction, acids and bases. Discussions of text material and lectures carry a major portion of the course. Problem-solving activities throughout the course require a strong mathematical background. Students complete laboratory experiments to aid in the understanding of the concepts taught in class.

AP Chemistry

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Chemistry and Teacher Approval

Fee: \$20 & College Board exam fee

Description: This course is a study in upper level Chemistry that is structured around the AP Chemistry curriculum. The course includes advanced application of concepts learned in first year Chemistry as well as many new concepts not previously covered. Quantitative, inquiry based laboratory analysis and problem-solving situations will be a focus of the course; therefore, a strong mathematical background is required. The course is structured to closely reflect what students will see in freshmen level chemistry courses at the college level. Topics include: Structure and Properties of Matter, Chemical Reactions, Thermodynamics, Equilibrium, Kinetics (Rates of Reaction), and Electrochemistry

AP Physics 1: Algebra Based

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Phys/Chem or Space strongly recommended/ must be concurrently enrolled in at least Math 3.

Fee: \$20 & College Board exam fee

Description: This course is an algebra based, first year physics course. The course covers an introduction to vectors; Newtonian mechanics; work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. At the end of the course, students will have the opportunity to take the AP Physics 1 exam to gain college credit for a first semester algebra based physics course.

AP Physics C: Calculus Based

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: AP Physics 1, concurrent enrollment in AP Calculus AB.

Fee: \$20 & College Board exam fee

Description: The course is equivalent to a first-year college Calculus based physics course split into two sections: Mechanics and Electricity & Magnetism. This course follows the syllabi for the two AP Physics C exams and students passing the exams may receive college credit. This course requires and employs a basic understanding of calculus (differentiation and integration) and also requires a prior course in algebra based physics. The prerequisite calculus course may be taken concurrently. The course covers vector multiplication, Newtonian mechanics, Work Energy Theorem, Rotation and Rolling, and Torque. The second semester covers electric charges, electric fields, Gauss' Law, electric potential energy and potential difference, capacitance and dielectrics, DC circuits, magnetic fields, Faraday's Law, Inductance, and Maxwell's equation.

AP Biology

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Chemistry, Biology Molecular & Ecological strongly recommended

Fee: \$20 & College Board exam fee

Description: This course is equivalent to a 2 semester college introductory biology course. It uses a model of instruction that focuses on enduring, conceptual understandings (evolution, transfer of matter and energy, homeostasis, information transfer, and interactions) and the content that supports them. Inquiry-based learning of essential concepts is emphasized to help develop reasoning skills and use of science practices.

AP Environmental Science

Grade Level: 10, 11, 12

Length: Full year

Prerequisites: Any two semesters of core science courses (recommended Bio-Ecology, Intro to Environmental) also recommended: Chemistry

Fee: \$20 & College Board exam fee

Description: This course is designed to provide students 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 or preventing them. Topics include Global Climate Change, Biodiversity and Conservation, Human Populations and Sustainability, Agriculture, Energy and Mineral Resource Consumption, Air and Water Pollution, Waste Management, and Human Health in the Environment.

Chemistry Support

Grade Level: 10, 11, 12

Length: Full Year

Description: This class is designed to support students in chemistry. This class provides extra time to practice and learn materials as well as help from a teacher.

AP Science (Bio ES) Support

Grade Level: 10, 11, 12

Length: Full Year

Description: This class is designed to support students in AP Biology, AP Environmental Science, and AP Chemistry. This class provides extra time to practice and learn materials as well as help from a teacher.

AP Calc/Physics Support

Grade Level: 10, 11, 12

Length: Full Year

Description: This class is designed to support students in both AP Physics 1 and AP Physics C. This class provides extra time to practice and learn materials as well as help from a teacher of the course.

Forensic Science

Grade Levels: 10, 11, 12

Length: One Semester

Prerequisites: None

Fee: \$20

Description: This fast-paced, lab-based class is designed to allow students the chance to explore many types of evidence that are used in solving crimes. Students will learn and practice techniques to allow them to process and analyze an authentic crime scene at the end of the semester. Topics include: fingerprints, hair and fibers, crime scene etiquette, drugs and toxicology, blood and DNA, human remains and entomology, and handwriting analysis with an emphasis in complex reasoning and critical thinking. Please note: colleges do not accept this as a certified lab-based class.

Human Physiology

Grade Level: 10, 11, 12

Length: One Semester

Prerequisites: None

Fee: \$20

Description: This class explores how the human body works. The endocrine system, nervous system, and immune system are emphasized. This course can be taken on its own or as preparation for AP Biology. It is also a great class for those interested in pursuing a career in health, such as nursing, physical therapy, and medicine.

River Ecology

Grade Level: 10, 11, 12

Length: One Semester

Prerequisites: Biology Ecology is recommended

Fee: \$20

Description: An interdisciplinary approach will be used to introduce the student to their local environment and their role in it. The local rivers will be used as the unifying theme to study ecology, field biology, evolution, environmental policy, environmental history, and environmental philosophy. There will be an emphasis on data collection and analysis, with students involved in a variety of citizen science projects, including a statewide water monitoring network and an international bird observation database. This course is a field science course and much time will be spent outdoors exploring our local ecosystems.

Social Studies

Geography

Grade Level: 9 (and class of 2019)

Length: Full Year

Description: The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. Students will be writing argumentative essays using primary and secondary sources to support their positions.

World History

Grade Level: 10

Length: Full Year

Prerequisites: American History

Description: This course covers how world cultures have developed throughout history and the impact these cultures have had on one another. The geography standards for citizenship and participatory democracy, cultural diversity, economic development, and global perspectives will be the guiding outline for this course. History will be used to trace the developments of world cultures to contemporary society. Developments in different times and places encompassing Africa, the Americas, Asia, Europe and Oceania will be explored through reading, writing and analyzing sources.

Civics

Grade Level: 11, 12

Length: One Semester

Prerequisites: World History, Geography

Description: In this course, students will explore in more detail the specific aspects of American government. The social studies standards for citizenship and participatory democracy, cultural diversity, economic development, and global perspectives will be taught. The course will also address the Colorado Model Content Standards for Civics. Topics covered will include: the origin of the Constitution of the United States, its background, actual development, its changes, how it has been interpreted, and how the political and legal systems of the United States have developed from it; units of Government, Business, and Labor; the Political Spectrum; Economics; State and Local Government; and Current Issues. A service-learning component is incorporated within this course. Through service learning, students will learn such things as civic virtue, citizenship skills, and the responsibilities of living in a Republic.

Global Issues

Grade Level: 11,12

Length: One Semester or Full Year

Description: Within the last few years, a structure has been developing for understanding the world with a global perspective; that is, a view of the world, which looks at common issues shared by all nations and ways of dealing with these issues. The political spectrum, which influences the way this global perspective is perceived, will be analyzed throughout the course. This course is designed for the student that is interested in the rapidly changing issues that are developing around the world and the impact these changes will have on all world cultures. Through the use of technology, students will learn about current world issues. This course will focus on the RFSD History and Geography Standards: Citizenship, cultural diversity, economic development, and global perspectives. A major portion of the course will be covering the Colorado Geography Standards and the Five Theses of Geography. The instruction will use a wide variety of instructional methods such as simulations, map work, research projects, relevancy development, and the reading of current novels and non fiction materials.

Philosophy & Ethics

Grade Level: 11, 12

Length: Full Year

Description: An introductory look at the various ways people try to answer questions of right or wrong. Using both classical and contemporary resources this course will look at a variety of issues facing our society and the world today. This course seeks give students a philosophical and ethical framework to answer some of the great questions of the present and future. Topics such as political philosophy, the ethics of genetic engineering, the concept of morality, and countless others will be explored. There will be a heavy focus on reading, research projects and seminar based discussion.

Psychology

Grade Level: 10, 11, 12

Length: One Semester

Description: This course offers students an engaging introduction to the essential topics in psychology. Throughout this study of human behavior and the mind, you will gain insight into the history of the field of psychology, as well as explore current theories and issues in areas such as cognition, motivation, learning and memory.

AP Psychology

Grade Level: 11,12

Length: Full Year

Fee: College Board Exam Fee

Description: The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

AP US History

Grade Level: 11, 12

Length: Full Year

Prerequisites: Teacher Approval

Fee: College Board exam fee

Description: This class is an intensive survey of U.S. History from Pre-Columbian times to the present. Students will use a college level text and support materials. Students will write historical essays using a variety of primary source materials in preparation for the AP US History exam in May. Students successfully completing the AP exam may be eligible for college credit depending on the policies of the admitting institution.

AP United States Government Grade Level: 11,12

Length: Full Year

Fee: College Board exam fee

Description: 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 support political positions.

Technology

Digital Video Production

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Prior Computer Experience

Fee: \$15

Description: Students will learn video basics such as operation of video cameras and video editing equipment, camera features, camera angles, white balance, and more. They will participate in pre-production, production and postproduction stages of video creation, evaluation and publishing. Students will write scripts, create storyboards, and edit video using video editing software and burn final projects to DVD.

Robotics

Grade Level: 9, 10, 11, 12

Length: Full Year

Prerequisites: Teacher approval

Fee: \$50

Description: Students will learn to build and program working robots. The course may include various competitions and fundraising activities. There is also a robotics club that meets outside of school hours at GSHS. Students can participate in both the course and club, or just one or the other. Please see Mr. Jenson for more information.

Web Design

Grade Level: 10, 11, 12

Length: One Semester

Prerequisites: Prior Computer Experience

Description: This course introduces some of the techniques, tools and technologies associated with web development. The ability to effectively integrate photographs, illustrations, video, animations and display the text type will be developed using Photoshop, Dreamweaver and Flash. This course will focus on how to use the web to communicate and market a business or personal interest.

Computer Maintenance

Grade Level: 10, 11, 12

Length: One Semester

Prerequisites: Interview and Teacher Approval

Fee: \$25

Description: This hands-on class offers an in-depth exposure to computer hardware and software. Students will take apart and rebuild computers, configure computers to work on a network, install operating systems and application software, install peripherals such as scanners and printers, and trouble-shoot hardware and software problems. Students will also research new computer technologies.

Makerspace Engineering

Grade Level: 9, 10, 11, 12

Length: Full Year

Fee: \$40 + materials

Description: This hands-on course introduces students to the tools and concepts involved in creating solutions to real-world challenges. Students will be introduced to electronics, computer-aided drafting and modeling (CAD and CAM) techniques, pneumatic and hydraulic systems, structural design, and more. Through this course, students will utilize soldering stations, 3D Printers, a laser cutter, a CNC mill and other related tools and equipment.

AP Computer Science

Grade Level: 11, 12

Length: Full Year

Fee: College Board exam fee

Description: AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

AP Computer Science Principles

Grade Level: 9, 10, 11, 12

Length: Full Year

Fee: College Board exam fee

Description: The AP Computer Science Principles curriculum is built around fundamentals of computing including problem solving, working with data, understanding the Internet, cyber-security, and programming. The AP assessment experience includes two performance tasks students complete during the course to demonstrate the skills the student has developed (administered by the teacher; students submit digital artifacts). The second part of the assessment consists of a multiple-choice written exam. On both the through-course assessment and the end-of-course AP Computer Science

Principles Exam, students will be asked to apply their understanding of the course learning objectives, including the essential knowledge statements and computational thinking practices."

Business & Technology- BE HEARD

Grade Level: 10, 11, 12

Length: Full Year, may be repeated

Location: Carbondale at film studio

Description: Students will produce a live youth talk show titled "BE HEARD!" aired weekly on the web. BE HEARD is created and developed by youth for youth. The talk show discusses topics that involve students and generates a dialogue for others to join in and be a part of the show. Students will be introduced to all aspects of video production, including scripting, storyboarding, on-site and in-studio camera production, lighting, editing, graphic design, and web integration. Marketing strategies and other business applications will also be included.

Theatre

Drama Introductory Drama

Grade Level: 9, 10, 11, 12

Length: Full Year

Description: The focus of this course is to provide an overview of all aspects of theatre performance, production, and possible careers in theatre.

Semester 1 – Building ensemble, acting skills, staging techniques, original scenes and monologues, and theatre history.

Semester 2 – Script and scene analysis, stage combat. Production aspects: make up, costumes, sets, props.

Drama 2 - Acting & Performance

Grade Level: 10, 11, 12

Length: Full Year

Prerequisites: Drama 1 or Instructor Permission

Description: The focus of this course is to develop the craft of acting and the skills and confidence to take their performances to a higher level.

Semester 1 – Developing acting: theories and techniques. Monologues & Scene study, competitive events (Thespian Conference pieces), Elementary/Middle School performance.

Semester 2 - Musical theatre. Tech theatre: lights, sound, stage management, set design. Student directed 10 minute plays and group one-act play (local performance as well as regional One Act Festival)

Drama 3 - Acting for Film

Grade Level: 11, 12

Length: Full Year

Prerequisites: Acting and Performance or instructor permission

Description: The focus of this class is twofold. Firstly, to learn the craft of acting for the camera. Secondly, to gain an understanding of some of the great playwrights and their works in performance.

Semester 1 - Acting for Film: Acting techniques for the camera. Choosing scripts and recognizing character types. Filming solo, duet and group scenes. There is a potential for working in tandem with the Digital Video Production classes to create short films for competitions.

Semester 2 - Masterpieces of Theatre: This class is based around exploring major styles and eras of theatre, reading of some of the great plays of literature and bringing them to life on the stage in performance.

Improvisational and Advanced Improvisational Theatre

Grade: 10, 11, 12

Length: One Semester

Prerequisites: None

Description:

Semester 1- Beginning Improv: Essential Improv skills and techniques, Short Form, characters and scene work.

Semester 2- Advanced Improv: Skills development. Long form, musical improv, scene work and performance.

JROTC

Air Force Junior Reserve Officer Training (AFJROTC)

Grade Level: 9, 10, 11, 12

Length: Full Year

Credit: 10 Core credit hours can be applied to the following areas: Science, Social Studies, Career Planning and physical education. .

Prerequisites: None

Description: The goal of the program is to instill in high school students the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. The course is comprised of Aerospace Science (AS), Leadership Education (LE) and Wellness Training (Physical Fitness).

AS IV Cultural Studies: An introduction to Global Awareness is a customized course about the world's cultures. It is designed to introduce students to the study of world affairs, regional studies, and cultural awareness. It delves into history, geography, religions, languages, culture, political systems, economics, social issues, environment concerns and human rights. It looks at major events and significant figures that have shaped each region. In this age when the Internet, trade, airplane, satellites, and cell phone connect people everywhere, it's more important than ever to understand the world cultures. Even if you never leave the United States, you may find yourself working with or managing people from different parts of the world. If you end up working overseas, you'll find that the more insight you have into other countries' history and customs, the more successfully you'll navigate your way around new and exciting lands.

LE IV Principles of Management: The course provides exposure to the fundamentals of management. We are confident this course, coupled with what you have already learned during your time in AFJROTC, will provide you with the ability to lead and direct your cadet corps and equip you with the qualities you need to serve in leadership roles. In addition, the material you will learn in this a course will significantly benefit you no matter what you decide to do after high school. Throughout this course are many ethical dilemmas, case studies, and role-play activities built into the lessons that we think you will enjoy.

Wellness Training: Wellness is an official part of the AFJROTC program. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age, gender and complements the health and wellness portion of this course.

Elective Classes

Financial Literacy

Grade Level: 10,11,12

Length: One Semester, recommended to pair with Health

Description: This course focuses on all aspects of financial literacy including: managing personal finances, checking accounts, saving, investing, budgeting, smart spending, understanding credit and insurance, reading legal documents such as apartment leases, cell phone, internet and cable company contracts. Community experts in these fields will be guest speakers. Students will participate in mock independent living situations to practice what they've learned in real-world scenarios.

AgBio 9 - 12 Bilingual. This class is in the process of being designed. Growing plants and the science behind it.

College/Career Discovery

Grade Level: 11

Length: One Semester

Description: The purpose of the Discovery course is to increase and disseminate College-Knowledge, Career-Knowledge, and Self-Knowledge and to help students plan their post-secondary lives. Students will practice the ACT, and perform career and college searches. This is a mandatory class for all juniors.

College/Career Discovery 2

Grade Level: 12

Length: Fall Semester

Description: The purpose of the Discovery 2 class is for students to complete the post-secondary plan that was created through the Junior College/Career Discovery Class. This includes completion of college applications, FAFSA, letters of ask, college essay's, etc.

Service Learning

Grade Level: 11, 12

Length: Full Year

Prerequisites: Excellent attendance record

Description: Service Learning is a class at GSHS where juniors and seniors "serve" in the local elementary schools. Service Learners support the education of younger students by reading with them, teaching them math skills, and performing a variety of other duties. Service Learners will spend over seven hours each week volunteering at Sopris Elementary, Glenwood Springs Elementary, and St. Stephen's Catholic School. Some of them are considering teaching as a future career; others just enjoy working with children, helping their community and view Service Learning as a great way to incorporate volunteer work into their high school schedule.

Journalism

Grade Level: 9, 10, 11, 12

Length: Full Year

Prerequisites: None

Description: This class allows students to improve their writing while also researching and writing about the topics most engaging and relevant to them. This class begins with an intensive review of grammar, usage and mechanics. Students will then be introduced to the theory and practical application of journalistic ethics, writing, design, advertising, editing, photography and production in order to prepare to write for the school newspaper.

Journalism II:

Grade Level: 10, 11 12

Length: Full Year

Prerequisites: Journalism I

Description: Students will apply the principles learned in Journalism I by producing the high school newspaper, including all phases of publication. For the 2018-2019 school year, we are continuing with our online paper and seeking students with interest in marketing as well as writing. The course is primarily student run, requires out of school time commitments, and is designed for students who are responsible and independently motivated.

Mock Trial

Grade Level: 9,10,11,12

Length: Full Year

Fee: \$75 plus additional charges for traveling/registration fees (fundraising will cover some of the costs)

Description: Students learn about the American Court System by preparing three cases for trial throughout the school year. All participants will be required to learn a fact pattern and to perform that pattern in the roles of witnesses and attorneys in these cases. Students will do extensive writing and public speaking and participate in the Providence Cup Mock Trial Tournament in Denver in October and the Colorado High School Mock Trial Regional Tournament in Grand Junction in February. This class teaches not only law related matters such as the Rules of Evidence and court procedural rules but also teaches creative thinking and writing skills. Students are expected to attend practices (usually one per week) outside of class.

Work Experience Program

Grade Level: 12

Length: One Semester or Full Year

Prerequisites: Counselor approval

Credits: 5 credits//90 hours worked

Description: The Work Experience Program focuses on students who want a real life work experience to develop employability behaviors and develop vocational skills. Students are required to obtain their own jobs and turn in authentic pay stubs as proof of their ongoing employment throughout the school year. Students must work a minimum of 90 hours during the given semester in order to earn credit.

Athletic Director Assistant

Grade: 12

Length: Full Year

Prerequisite: Application and interview required.

Description: Students will gain an awareness of primary work responsibilities and functions within a high school athletic department through this supervised internship. Coordination of sports within the athletic department and the integration of the department within the broader institution, WSL athletic conference, and other organizations will be taught. A focus will be upon modern and emerging technology systems and their applications in administering high school athletic functions. Students will develop an appreciation of the unique dynamics associated with the sports communication field by preparing a sports story, a sports news release, and/or a sports opinion piece via traditional print media or electronic media. A review of journalist ethics will be included.

Sports Medicine

Grades: 10, 11, 12

Length: Full Year

Prerequisites: Recommended: Anatomy or Human Physiology; required: Application and Interview

Fee: \$20.00 for tape and taping supplies

Description: Students will explore the human body with emphasis on taping and managing sports related conditions. Students will be expected to participate in either lunch time or after school observation in the Athletic Training Room with occasional supervised taping. Students will be given the chance to shadow the Certified Athletic Trainer at home sporting events and participate in community covered events. The instructor will have the discretion to drop any student they feel is

not is able to keep up with the material and have a grade of 2 or lower. Due to the rigorous nature of the class applications are required.

Sports Medicine II

Grade Level: 11,12

Lenght: Full Year

Prerequisites: Completion of Sports Medicine I required.

Description: This class is a continuation of Sports Medicine I. We will pick up where Sports Medicine I left off. We will explore the spine, shoulder, elbow, wrist and hand, environmental considerations, face, muscle physiology, and abdomen. Course will include lectures, tests, hands on evaluations, and class projects. After school and lunchtime volunteering mandatory at least once a week. Instructor reserves the right to drop any student at semester that is not regularly attending class, and/or has a grade of 2 or lower.

Youth Entity

***Register online for these courses AND enroll at the High School**

<http://www.youthentity.org/youthentity-program-registration/>

Architecture, Engineering & Construction

YouthEntity Design Team

Grades: 10, 11, 12

Credits: 3

Prerequisites: Counselor Approval, Youthentity Parental Permission Slip and Parent/Student Contract

Each year the YouthEntity Design Team works on a real-world design project while learning about architecture by visiting prominent buildings in the community through the lens of awardwinning architect Gino Rossetti. If you'd like to explore architecture as a potential career choice, this experiential course is for you.

Tuition Fee: None.

Dates/Times: Wednesdays, 4pm – 6 pm. Fall semester only. Start date TBD.

Location: YouthEntity Center in Carbondale. Students must provide their own transportation.

Instructor: Gino Rossetti, American Institute of Architects Fellow

Grading: Letter grade based on student attendance and participation.

Engineering & Construction Company

Grades: 10, 11, 12

Credits: 5

Prerequisites: Counselor Approval, Youthentity Parental Permission Slip and Parent/Student Contract

Learning about the many careers and earning potential of the Engineering and Construction industry through professionals from Gallegos Corporation, Gould Construction and more. Complete a team construction project such as last year's dog palace, a 50 sq.f.t home for two dogs. Learn about the many avenues to get started in this industry and whether this industry is for you.

Tuition Fee: \$25

Dates/Times: Wednesdays and Thursdays 4:30 pm – 6:30 pm. **Fall semester only.**

Location: Gould Construction in Glenwood Springs near the Thunder River Market. **Students must provide their own transportation.** Bus passes provided by Youthentity.

Instructors: Mark Gould Jr. (Gould Construction), Seth Cole (Gallegos), Sandy Lowell (formerly

Wagner Equipment), Kirsten McDaniel (Youthentity).
Grading: Letter grade based on student attendance and participation.

Restaurant Management, Culinary Arts, Baking & Pastry Arts

ProStart® at YouthEntity: Foundations of Restaurant Management and Culinary Arts – Level One

Grades: 10 (by exception only) 11, 12

Credits: 20 credits per year

Optional: METROPOLITAN STATE UNIVERSITY CONCURRENT ENROLLMENT PROGRAM

Prerequisites: Counselor Approval, YouthEntity Parental Permission Slip and Parent/Student contract

ProStart at YouthEntity is a food service hospitality management program and a magnet program for all students in the Roaring Fork School District. ProStart introduces students to a wide variety of careers in the hospitality industry. In our program you will build your cooking and business management skills. In the spring we also compete at the ProStart State Invitational in Denver in both culinary arts and business management. In three years our former students have earned over \$650,000 in scholarship offers for post-secondary education and competed twice at nationals. For four years in a row Sullivan University has named us as one of the Top 50 Hospitality programs for high school students nationally.

For more information please call Kirsten at 970.963.4055. ProStart is a registered trademark of the National Restaurant Association Education Foundation.

Tuition Fee: \$100 (includes a chef's jacket, hat and apron). The total cost of the program is \$5,000 per student and is funded by YouthEntity with the exception of the \$100 tuition fee. Please see your counselor for more details.

Dates/Times: Mondays and Tuesdays, 4:30 pm – 7:30 pm. **Full-year program.**

Location: YouthEntity in Carbondale. **Students must provide their own transportation.** Bus passes provided by Youthentity.

Instructors: Kirsten Petre McDaniel (MBA), Matt Maier (Culinary Institute of America)

Grading: Letter grade based on attendance and participation (60%), homework (20%) and final exam (20%).

Baking & Pastry Arts

YouthChefs Baking and Pastry Arts

Grades: 9, 10, 11, 12

Credits: 5 credits

Prerequisites: Counselor Approval, Youthentity Parental Permission Slip and Parent/Student Contract

YouthChefs at YouthEntity is a professional development program for community youth based on classical European baking and pastry techniques with a modern American twist. Under the guidance of their coach, a professional Pastry Chef, students will learn professional culinary techniques and will prepare and cater a pastry and chocolate buffet for 75+ guests as their final project.

Tuition Fee: \$50 (includes a chef's jacket, hat and apron). The total cost of the program is over \$1,000 per student and is funded by YouthEntity with the exception of the \$50 tuition fee.

Dates/Times: Wednesdays and Thursdays, 4:30 pm – 7:30 pm + graduation event prep time.
Fall semester only.

Location: YouthEntity in Carbondale. **Students must provide their own transportation.** Bus passes provided by Youthentity.

Instructor: Kelly Yepello, Yepello Chocolates & Confections

Grading: Letter grade based on attendance and participation.

