

Rocky Mountain High School

Freshman Classes

2019-2020 School Year



GROUP MEETING WITH COUNSELOR

8th Grade Students

1. Come to Rocky 9:30 – 11:30 AM
 - a. February 14 - Webber/SOC Preston, CLP, Wellington and Boltz
 - b. February 15- Blevins/SOC Kinard, Leshar, and Lincoln
2. Review the classes you need to graduate
3. Determine what classes you need for your college or career path.
4. Attend Freshman Course Selection Q & A Session @ Rocky (optional)
 - a. Wednesday, Feb 20th, 6:00pm
5. Select the classes you want and return Class Selection Sheet
Meet individually with a Rocky counselor

Blevins – February 25
Boltz – February 27
CLP – March 1
Kinard – February 26
Leshar – February 26
Lincoln – Feb 27
Preston – Feb 28
St. Joseph's – Feb 27
Webber – February 25
Wellington – Feb 28

6. Attend LINK Orientation and Half Day of Classes (August)

Review the classes you need to graduate

Use this sheet to help plan your four-year course of study at Rocky.

GRADUATION REQUIREMENTS

Requirement	Credits Required	Typical Year Taken				Rocky Classes
		9th	10th	11th	12th	
Language Arts	40	✓	✓	✓	✓	English 9, World Literature and Comp, US Literature and Comp, a Senior English Class
Civics/Government	5				✓	American Government, We the People, AP Government
US History	10			✓		US History, AP US History
Social Studies	10		✓			World Geography, AP Human Geography
Humanities	5			✓	✓	Classical, Contemporary, African, Asian, and American Humanities
Fine and Applied Arts	10	✓	✓			Visual Arts Classes, Performing Arts Classes, Technology Education Classes, Production-Based Business and FCS Classes
World Language or World Culture	10	✓	✓	✓	✓	Any World Language (Spanish, French, German) or World History or PreAP World History
Math	30	✓	✓	✓		Any Math class in this curriculum guide (note the sequences in the Math section)
Science	30	✓	✓	✓		Any Science class in this curriculum guide, beginning with Biology or ESS
Wellness	15	✓	✓	✓	✓	Must begin with PE1 but completed through other Wellness classes
Personal Finance	5			✓		Career and Financial Planning, Financial Life Management
Economics	5			✓	✓	Economics, AP Micro/Macro Economics, Business Economics
Electives	65	✓	✓	✓	✓	Any course taken after fulfillment of graduation requirements listed above
Total Credits 9-12	240	80	70	60	60	Recommended credits per year per grade level. We encourage students to take more than the minimum to graduate

FRESHMAN CLASSES

Language Arts

You must choose either *English 9* or *Pre-AP English 9*.

Testing data and recommendations will be used to verify your selection.

ENGLISH 9 (5030)

Credit: 10

Grades: 9th

Prerequisite: None

Requirement: Language Arts

English 9 standards call for the student to communicate effectively in writing and speaking; to read, analyze, and interpret literature; and to use appropriate resources and skills to conduct research. Students build writing skills in many forms and are expected to meet the district writing standard in three specific areas: an expository essay, a formal letter, and a creative work. Criteria for evaluation includes: focus development, organization, mechanics (spelling, punctuation, capitalization), and style (sentence structure and vocabulary). Literature study, which focuses on the concept of theme within various literary genres, includes short stories, novels, and plays. Most students will read *Romeo and Juliet* and *To Kill a Mockingbird*.

PRE-AP ENGLISH 9 (5034)

Credit: 10

Grades: 9th

Prerequisite: None

Requirement: Language Arts

Pre-AP English 9 is based upon the same curriculum and standards as English 9, but is designed to emphasize the skills and habits of mind that will be needed to take Advanced Placement English courses and the Advanced Placement exam. Students will be challenged to do more with literary comparison, composition, and the higher order thinking skills of analysis, synthesis and evaluation. Ninth grade English course content is covered in greater depth and with more insight. ***At Rocky, the suggested sequence after this course is: Pre-AP World Lit and Comp, AP Language & Comp, and AP Comp & Literature.***

Additional Language Arts Options

BASIC SPEECH (5250)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Language Arts

Basic Speech is designed as a fundamental class to improve public speaking in formal and informal settings. The class focuses on organization, preparation, and delivery of solo and group speaking opportunities. Types of speeches include informative, visual aid, demonstration, and persuasive. Work also includes effective listening, oral interpretation and group discussion.

FORENSICS (5910)

Credit: 5

Grades: 9th – 12th

Prerequisite: Instructor Approval

Requirement: Language Arts

Students will study all areas of forensic competition, exclusive of debate, and will be expected to specialize in duo interpretation, acting, extemporaneous speaking, original oratory, interpretation of dramatic literature, interpretation of humorous literature, or interpretation of poetry. *At Rocky Mountain High School, Forensics is a performance-based class. Thus, a large percentage of the class grade is based upon interscholastic competition.*

ARGUMENTATION and DEBATE (5900)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Language Arts

The theory and practice of argument will be discovered and applied in various persuasive situations. Public Forum, Lincoln-Douglas, and legislative debate techniques will be introduced. Students will research and write debate cases and participate in debates in class. Skills in researching, organizing, and writing arguments will be emphasized in addition to oral analysis and refutation.

JOURNALISM 1 (5270R)

Credit: 10

Grades: 9th – 12th

Prerequisite: None

Requirement: Language Arts

Students learn to examine professional news reporting and to write journalistically. The fundamentals of news gathering, interviewing, reporting, news writing, advertising strategies and selling, and newspaper design and layout are all learned as a basis for newspaper production. *At RMHS, this course is a prerequisite for Journalism 2 and reporting for The Rocky Mountain Highlighter. Students will be introduced to the practices and skills of convergence media.*

CREATIVE WRITING: POETRY and NON-FICTION (5221)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Language Arts

This class enables students to explore and develop their special interests in writing a variety of poems and creative non-fiction and to critique each other's work. The ability to listen attentively, to respond honestly in criticizing others' writing, and to accept criticism is essential. *At Rocky, evaluation will be ongoing and will include maintaining and submitting a number of portfolios, including a culminating multi-genre final project. Students are expected to share their written work aloud in small and large group settings. Students taking this class are expected to practice writing in and out of class on a daily basis.*

CREATIVE WRITING: SHORT STORY (5222)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Language Arts

This class enables students to write original short stories, and a one-act play. The ability to listen attentively, to respond honestly in criticizing others' writings and to accept criticism is essential. *At Rocky, evaluation will be ongoing and will include maintaining and submitting a number of portfolios, including a culminating multi-genre final project. Students are expected to share their written work aloud in small and large group settings. Students taking this class are expected to practice writing in and out of class on a daily basis.*

FINE AND APPLIED ARTS

You must choose at least one of these classes. All prerequisite classes must be completed before you can take a more advanced class.

Computer Technology Offerings

GAME DESIGN AND DEVELOPMENT (1751)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

This course is an introduction to the theory and practice of computer game design and programming. Students will use Game Maker to design and program games at the beginner to intermediate level. Online tutorials, readings, and projects will cover various aspects of computer game design, production, and application. Students will be able to plan, design and create their own individual and collaborative game projects.

GAME DESIGN 2: MOBILE APPLICATIONS (1754)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

Game Design 2: Mobile Applications is a mobile application design & programming course using open source applications and industry programming languages (Java, Python, etc.) to design and build applications (apps) for Android devices. Game Design 2 expands on programming concepts taught in Game Design Level 1. By the end of the course, students are able to design, build, test and successfully download working mobile applications for Android devices.

WEB DESIGN 1 (1766)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

Students in this course will use computers and technology to gain proficiency in graphics and web design. Projects will include web pages for personal and educational use. Additional topics will include html coding, graphic design and manipulation, electronic correspondence, internet literacy, multimedia authoring, and open source alternatives. Students will be expected to explain and model appropriate technology ethics. Software Includes: Adobe Creative Suite (Dreamweaver, Photoshop, Flash, Fireworks), and Open Source Alternatives.

WEB DESIGN 2 (1767)

Credit: 5

Grades: 9th – 12th

FRCC Concurrent Enrollment credit available

Prerequisite: Web Design 1 or teacher approval

Requirement: Fine/Applied Arts

Students in this course will use computers and technology to gain advanced skills in graphics and web design. This class is project based and students will have the opportunity to choose individual project topics. Topics covered in this class will include advanced html coding, advanced graphics manipulation, e-commerce practices, web site management and commercial implementation. At the conclusion of this class students will be able to create commercially viable websites and present themselves to the public in a professional, business-like manner. Students will be expected to explain and model appropriate technology ethics. Software Includes: Adobe Creative Suite (Dreamweaver, Photoshop, Flash, Fireworks), and Open Source Alternatives.

Family & Consumer Science Department Offering

FASHION DESIGN I (4390)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

Is Paris calling you? Do you have a flair for fashion? Join us in the study of the world of fashion. Topics will include: elements and principles of design, history of fashion, fashion trends, sketching for design and textile selection. You will be encouraged to challenge your knowledge and creativity with an assortment of projects related to fashion. By the end of this class you will have the skills to further develop your passion for fashion. **At RMHS there is a \$15.00 fee for this course.**

FASHION DESIGN II (FASHION DESIGN/CONSTRUCTION) (4391)

Credits: 5

Grades: 9th – 12th

Prerequisites: Grade of C or better in Fashion Design I

Requirement: Fine & Applied Arts

So you have conquered Paris and you are now ready for the world of fashion! This class is for you. We will utilize all the skills you learned in Fashion I and take it up a notch or two. We will learn construction techniques, spend more time with design, explore the world of fashion merchandising and other career options in the industry, and learn how to take your own design from the drawing board into your favorite retail store. Time will be spent researching and exploring career opportunities in the fashion industry. **At RMHS there is a \$25.00 fee for this course.**

INTERIOR DESIGN I (4340)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

Are you passionate about design and home décor? Do you rearrange your furniture regularly? Ever dream about designing for HGTV? This course will introduce you to the profession of Interior Design in a hands on environment. You will learn the elements and principles of design within the context of residential interiors, learn to design personal spaces with flair, and manage client relationships. Time to start designing! **This course At RMHS there is a \$15.00 fee for this course.**

Language Arts Department Offering

INTRODUCTION TO ACTING (5227)

Credit: 5

Grades: 9^h – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

This course is geared toward the beginning actor who wishes to learn the basics of theatre, including skills such as improvisation, monologue and scene work, technical theatre, as well as a brief history of theatre.

Music Department Offering

Freshmen Music Students

Requirement: Fine/Applied Arts

All incoming 9th grade students in band, choir and orchestra will be placed in our Freshmen level ensembles at Rocky Mountain High School. NO AUDITIONS will be required. Opportunities may be made available to Freshmen students to become involved in chamber ensembles early in the fall once they have become established in their large ensemble classes and demonstrate their interest and ability.

Entry Level Ensemble (Choir, Orchestra or Band)

Credit: 20

Grades: 9th-12th

Prerequisite: Previous experience at the middle school level or approval of the director

Requirement:

Fine/Applied Arts

The entry level ensembles are available to any high school student with previous music experience. Students continue their musical journey with emphasis on tone production, music literacy and the development of technical skills necessary for a middle or top level ensemble. All students in entry level ensembles have an academic curriculum that focuses on music theory (how music works). Students must demonstrate proficiency in this area before being considered for a middle or top level ensemble. Required performances that occur outside the school day are announced at the beginning of the year and students are expected to attend every performance. Unavoidable absences from performances can be excused. Students will be asked to furnish their performance shirt (\$20.00), black pants, black shoes and black socks.

Technology Education Department Offering

ENGINEERING EXPLORATION (2279)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

This class is the first in a sequence of Technology Education/Engineering courses at the high school level. Students will work in a variety of design and manufacturing project-based environments. The emphasis will be learning to solve problems using engineering design processes, tools, materials, machines, computers and software applications. Ninth graders should take this course BEFORE taking any other Technology Education

courses. *At Rocky, a \$25 material fee will be charged for this course. Fees are waived for Free and Reduced Lunch Students.*

METALS 1 – ENGINEERING SYSTEMS (2283)

Credit: 5
Grades: 9th – 12th

Prerequisite: Engineering Exploration

Requirement: Fine/Applied Arts

This course is an introduction to metalworking and machining. Course content will include precision measuring tools, metal fabrication, welding and cutting fundamentals, pattern and foundry methods, metal machining including CNC programming and operations. Students will learn to set up and operate a variety of metalworking machines in the construction of several useful projects. This is an excellent preparation for Front Range programs or for students needing materials experience for engineering programs. *At Rocky, a \$25 material fee will be charged for this course. Fees are waived for Free and Reduced Lunch Students.*

WOODS 1 – ENGINEERING SYSTEMS (2282)

Credit: 5
Grades: 9th – 12th

Prerequisite: Engineering Exploration

Requirement: Fine/Applied Arts

This class focuses on woodworking and manufacturing. Students will demonstrate safety and production on each woodworking machine. With this knowledge they will construct a variety of projects that will exhibit their woodworking skills. This course will benefit those interested in a career in wood manufacturing and design. *At Rocky, a \$25 material fee will be charged for this course. Fees are waived for Free and Reduced Lunch Students.*

WOODS FOR WOMEN (2282W)

Credit: 5
Grades: 9th – 12th

Prerequisite: Engineering Exploration

Requirement: Fine/Applied Arts

This section of Woods is for students who are more comfortable learning to use tools in an environment where women are the majority. These students will demonstrate safety and production on each woodworking machine. With this knowledge they will construct a variety of projects that will exhibit their woodworking skills. This course will benefit women interested in woodworking and manufacturing. *At Rocky, a \$25 material fee will be charged for this course. Fees are waived for Free and Reduced Lunch Students.*

Visual Arts Department Offering

2-D DESIGN (1211)

Credit: 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

This is one of the two prerequisites for all studio art classes. The class emphasizes the importance of a strong foundation in the elements and principles of art; through the use of 2-dimensional art media. Emphasis is on finding creative solutions to visual problems. *At Rocky Mountain High School, we welcome students of all ability levels and focus primarily on design and color theory. This class is a prerequisite for all 2-Dimensional art classes. There is a material/supply cost for this course of \$10 (all costs are subject to change)*

3-D DESIGN (1212)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

This is one of the two prerequisites for all studio art class. The class emphasizes the importance of a strong foundation in the elements and principles of art; through the use of 3-dimensional art media. Emphasis is on finding creative solutions to visual problems. ***At Rocky Mountain High School, we welcome students of all ability levels and focus primarily on creating forms from various materials. This class is a prerequisite for all 3-Dimensional art classes. There is a material/supply cost for this course. \$20 (all costs are subject to change)***

DIGITAL DESIGN (1220)

Credit: 5

Grades: 9th – 12th

Prerequisite: none

Requirement: Fine/Applied Arts

The student will be exposed to techniques, equipment, materials and media used in graphic design and illustration. The students will be presented with a wide variety of graphic design problems that they must solve. The students will explore the creative approach to design problem solving using a variety of media and techniques. Drawing is strongly recommended before taking this class. Student supplies, kit and/or fees required. ***Rocky Mountain High School uses Photoshop, Illustrator, Sketch-up, Art Rage, After Effects and InDesign software. There is a material/supply cost for this course.***

DIGITAL DRAWING AND PAINTING (1225)

Credit: 5

Grades: 9th – 12th

Prerequisite: 2D Design or Digital Design

Requirement: Fine/Applied Arts

Explore the sweet- spot where traditional art and new technologies meet. Students will use digital drawing tablets in combination with powerful digital art software to create original artwork.

3D DIGITAL ANIMATION (1293)

Credit: 5

Grades: 9th – 12th

Prerequisite: Digital Design

Requirement: Fine/Applied Arts

This course will introduce students to the various aspects of 3D digital modeling and digital animation production, including rigging, 3D texturing, lighting, particle systems, physics systems, soft body physics, digital camera, and rendering. Students will apply the tools of technology and the visual language to create original artworks and animations. Basic knowledge of the elements and principles of design and previous experience in the intro to Digital Design course is required. Course enrollment will be limited to 30 students per term. ***There is a material/supply cost for this course.***

DRAWING (1240)

Credit: 5

Grades: 9th – 12th

Prerequisite: 2-D Design

Requirement: Fine/Applied Arts

This class will provide an opportunity for students to improve their drawing skills while encouraging them to think and express themselves creatively. Students will explore the use of a wide variety of techniques and media such as pencil, conte, charcoal, color pencil, markers, pen and ink, and pastels. ***Drawing is recommended before taking other art classes. There is a material/supply cost for this course. \$15 (all costs are subject to change)***

JEWELRY (1270)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

The student will be exposed to techniques, tools, materials and media used in making jewelry. The creative process of starting with a problem to be solved through research, discussion, design, creation, reflection and evaluation will be utilized in producing original final projects. There is a material/supply cost for this course. ***\$30 (all costs are subject to change)***

PAINTING (1280)

Credit: 5

Grades: 9th – 12th

Prerequisite: 2-D Design

Requirement: Fine/Applied Arts

This class covers the basic materials and methods of painting. The students will learn to work with watercolor, acrylic, and tempera. Emphasis will be on understanding color relationships, creative expression, and recognizing the impact of our artistic heritage. Drawing is strongly recommended before taking this class. ***There is a material/supply cost for this course unless you are using supplies from a previous painting course. \$20***

POTTERY (1320)

Credit: 5

Grades: 9th – 12th

Prerequisite: 3-D Design

Requirement: Fine/Applied Arts

This class offers the student the opportunity of exploring various methods and techniques utilized in pottery construction. The student will learn the techniques of hand building and "throwing" on the potter's wheel. ***There is a material/supply cost for this course. \$20 (all costs are subject to change)***

SCULPTURE (1330)

Credit: 5

Grades: 9th – 12th

Prerequisite: 3-D Design

Requirement: Fine/Applied Arts

The student will explore the third dimension by working with a variety of materials in order to translate 2-dimensional designs into 3-dimensional sculptural pieces. Students may work with a variety of sculptural materials including clay, wire, metals, plaster, found objects and paper. ***\$20 There is a material/supply cost for this course.***

PHOTOGRAPHY (1300)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

This is an introductory high school photography course. Students will study a variety of photographic methods that focus on traditional b/w 35mm film processing and darkroom printing. Emphasis will be on creativity and photography as a fine art medium. Photography at the Middle School level does not take the place of this class and is not a substitute. ***At Rocky Mountain High School, students may need to furnish their own 35mm manual format film cameras. \$35 (all costs are subject to change)***

CREATIVE PHOTOGRAPHY (1310)

Credit: 5

Grades: 9th – 12th

Prerequisite: Photography and Instructor Approval

Requirement: Fine/Applied Arts

This is an advanced photography class in which creativity and special techniques are emphasized. Students will have the opportunity to explore specific areas of personal interest. Student supplies and/or fees required. ***At Rocky Mountain High School, students may furnish their own 35mm SLR manual format camera. There is a material/supply cost for this course. \$35 (all costs are subject to change)***

VIDEOGRAPHY (1370)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Fine/Applied Arts

This class will give students a historical perspective of video technology in society beginning with the introduction of film-making. Students will take part in film appreciation by learning about the critique process utilizing movies from various time periods. Students will also have the opportunity to explore video technology, one of the most innovative and effective means of communication, by creating, producing and editing original videos. ***At Rocky, students use Adobe Premier Pro, Photoshop and After Effects software. Students should have their own flash card storage device for this course.***

SCIENCE

You must choose one of these courses. If you want to accelerate in science you can take both Biology and Earth System Science.

BIOLOGY (6710)

Credit: 10

Grades: 9th – 12th

Prerequisite: None

Requirement: Science

This is an introductory class that is standards based; embedded in this course are the Colorado Academic Standards in Life Science. It is designed to help students understand their living world. The class uses extensive laboratories to supplement lecture/reading activities. The class is a prerequisite to more advanced classes in biology.

EARTH SYSTEMS SCIENCE (ESS) (6809)

Credit: 10

Grades: 9th – 12th

Prerequisite: Algebra 1 (Can be taken concurrently)

Requirement: Science

Earth Systems Science (ESS) is a standards based physical science course that explores the interactions of the various spheres of Earth (atmosphere, hydrosphere, geosphere, exosphere) as a dynamic, evolving system. This course illustrates the relevance and impact of science in society, while engaging students in the mastery of basic physics and chemistry concepts that will prepare them for higher level physical sciences.

WORLD LANGUAGES/CULTURE REQUIREMENT

You must earn 10 credits in this category to meet the graduation requirement, however, RMHS encourages college bound students to take both World Language & World History. It is highly recommended you choose one of the language classes listed below for freshman year.

World Languages Department Offering

If you earned a C or D or lower at the previous level, continuation will be extremely challenging. You will be better served by repeating the previous level to ensure that a solid base of skills is attained. Students who receive a C, D at any level have the option to retake the class and replace the grade.

LEVEL 1: FRENCH (4710), GERMAN (4720), and SPANISH (4730):

Credit: 10

Grades: 9th – 12th

Prerequisite: None

Requirement: World Language/Culture

Students are introduced to vocabulary and structures. Activities include dialogs, novice readings, listening selections, and written communication. Students experience language through the study of cultures, while making connections and comparisons to their native language and developing communication skills in the target language. The study of a world language prepares students to compete in a global community!

LEVEL 2: FRENCH (4750), GERMAN (4760) and SPANISH (4770):

Credit: 10

Grades: 9th – 12th

Prerequisite: Level 1

Requirement: World Language/Culture

Students *increase* vocabulary and structures. Activities include dialogs, novice readings, listening selections, and written communication. Students experience language through the study of cultures, while making connections and comparisons to their native language and developing communication skills in the target language. The study of a world language prepares students to compete in a global community!

LEVEL 3: FRENCH (4790), GERMAN (4800) and SPANISH (4810):

Credit: 10

Grades: 9th – 12th

Prerequisite: Level 2

Requirement: World Language/Culture

Students *enhance* vocabulary and *expand* structures. Activities include conversations, authentic readings, intermediate listening selections, and written communication. Students experience language through the study of cultures, while making connections and comparisons to their native language and developing communication skills in the target language. The study of a world language prepares students to compete in a global community!

LEVEL 4: FRENCH (4820), GERMAN (4830) and SPANISH (4840):

Credit: Two-term class (10 credits)

Grades: 9th – 12th

Prerequisite: Level 3

Requirement: World Language/Culture

Students *expand* vocabulary and *refine* structures. Activities include conversations, authentic readings, advanced listening selections, and written communication. Students experience language through the study of cultures, while making connections and comparisons to their native language and developing communication skills in the target language. The study of a world language prepares students to compete in a global community!

LEVEL 5: AP FRENCH (4850), AP GERMAN (4860) and AP SPANISH (4871):

Advanced Placement Credit Option

Credit: 10

Grades: 9th – 12th

Prerequisite: Level 4 or teacher approval

Requirement: World Language/Culture

Students *solidify* vocabulary and *apply* structures as independent learners in preparation for the **AP exam**. Activities include conversations, authentic readings, advanced listening selections, and written communication. Students experience language through the study of cultures, while making connections and comparisons to their native language and developing communication skills in the target language. The study of a world language prepares students to compete in a global community!

SPANISH LITERACY 2 (4912)

Credit: 10

Grades: 9th – 12th

Prerequisite:

Requirement: World Language/Culture

This course is intended for students with good Spanish language comprehension but basic literacy skills. Students will improve their communication and literacy skills of reading and writing. Activities include reading and responding to short stories in written and oral presentations and group activities. Students gain an enhanced understanding of fundamentals of Spanish grammar. This course addresses the World Language standards of communication, culture, connections, and comparisons.

SPANISH LITERACY 3 (4913)

Credit: 10

Grades: 9th – 12th

Prerequisite:

Requirement: World Language/Culture

This high school course is intended for Spanish-speaking students to improve and enrich literacy skills of reading and writing proficiency. Students receive instruction in reading comprehensions skills and strategies through Spanish literature selections. They also refine and improve skills that allow them to write for a wide range of purposes and a variety of audiences. This course addresses the World Language standards of communication, culture, connections, and comparisons.

Social Studies Department Offering

PRE-AP WORLD HISTORY (7226)

Credit: 10

Grades: 9th – 12th

Prerequisite: None

Requirement: World Culture

The Pre AP World History course explores European and non-western civilizations through key concepts and themes. Historical thinking skills, such as interpretation and analysis, are a specific area of emphasis. Pre-AP World History students will also develop their ability to read critically and write analytically. This rigorous course is designed to prepare students for higher intellectual levels of engagement as they progress into subsequent social studies courses. ***At Rocky, the time period of study begins at 10,000 BCE and ends with the 20th Century.***

WORLD HISTORY (7250)

Credit: 10
Grades: 9th – 12th

Prerequisite: None

Requirement: World Culture

The World History course takes a true global approach to the study of history, examining multiple civilizations from a variety of cultures including Africa, Asia, Europe and the Americas. Concepts such as Revolution, Power, Interdependence, Creativity, Identity, and Conflict are emphasized throughout the course. Students use the historical method of inquiry to ask questions, evaluate sources, develop critical thinking skills, and back up interpretations with evidence. In addition to learning about world history, students build a foundation of relevant skills that support success in required social studies courses, as well as in post-secondary life.

MATHEMATICS REQUIREMENT

You must choose at least one of these classes. Testing data and teacher recommendations will be used to place you in the appropriate class. **Pre-calc requires your Algebra 2 teacher's approval, however, you may sign up now.

ALGEBRA 1 (6230)

Credit: 10
Grades: 9th – 12th

Prerequisite: None

Requirement: Math

Concepts and skills are introduced contextually in algebraic, graphic, numeric, and verbal form. As a result, the student will be able to communicate mathematically, make connections within algebra, and between algebra and other disciplines. To address district and state standards, this course interweaves mathematical topics of algebra, geometry, statistics, probability, number systems, and measurement. Algebra 1 explores rational numbers, equations, Pythagorean Theorem and radical expressions, functional relationships, basic geometry review, data analysis, probability, inequalities, linear functions, systems of equations, exponents, polynomial functions, and quadratic functions.

GEOMETRY (6240)

Credit: 10
Grades: 9th – 12th

Prerequisite: Algebra 1

Requirement: Math

Geometry concepts and logical reasoning are emphasized throughout, while measurement and applications are integrated to motivate students via real-world connections. As a result, the student should be able to communicate mathematically, make connections within geometry and between geometry and other disciplines. To address district standards, this course will interweave mathematical topics of algebra,

geometry, statistics, probability, and measurement. Geometry explores reasoning and proof, parallel and perpendicular lines, triangle congruency and relationships, right triangle relationships and trigonometry, quadrilaterals, similarity, area, volume, circles, and transformations.

ALGEBRA 2 (6250)

Credit: 10

Grades: 9th – 12th

Prerequisite: Geometry

Requirement: Math

This course is a further exploration of the algebra of the real number system with the extension into the complex system, as well as continued development of problem-solving skills. As a result, the student should be able to communicate mathematically, make connections within algebra and between algebra and other disciplines. To address district standards, this course will interweave mathematical topics of algebra, geometry, statistics, probability, and measurement. Algebra 2 explores functional relationships, linear systems of equations, matrices, quadratic functions, polynomial functions, radical functions, exponential and logarithmic functions, rational functions, probability and statistics, sequences and series, and trigonometry.

COLLEGE ALGEBRA (6275) 3 CU Denver credits available

Credit: 10

Grades: 9th – 12th

Prerequisite: Algebra 2

Requirement: Math

College Algebra is designed to allow deeper analysis and extension of Algebra topics. College Algebra is the first half of a post-Algebra 2 class that begins to bridge students to Calculus topics. Students are encouraged to represent problems algebraically, pictorially, verbally, and graphically. Critical thinking problems are provided to stretch their reasoning and communication skills. College Algebra extends learning in simplifying expressions and solving equations; solving systems of equations and optimization problems; and modeling with functions (polynomial, rational, exponential, logarithmic). Upon successful completion, students can progress to College Trigonometry & Analytic Geometry.

COLLEGE TRIGONOMETRY AND ANALYTIC GEOMETRY (6276) 3 CU Denver credits available

Credit: 10

Grades: 9th – 12th

Prerequisite: College Algebra

Requirement: Math

College Trigonometry & Analytic Geometry is the second half of a post-Algebra 2 class to bridge students to Calculus topics. Students are encouraged to represent problems algebraically, pictorially, verbally, and graphically. Critical thinking problems are provided to stretch their reasoning and communication skills. College Trigonometry & Analytic Geometry explores numerical and analytical trigonometry; application of trigonometric functions; vectors; polar coordinates; analytic geometry; sequences and series; and mathematical induction. Upon successful completion, students can progress to Calculus I.

PRE-CALCULUS (6280)

Credit: 10

Grades: 9th – 12th

Prerequisite: Algebra 2 (only with teacher approval)

Requirement: Math

Pre-Calculus is the post-Algebra 2 class to bridge students to Calculus topics. Students are encouraged to represent problems algebraically, pictorially, verbally, and graphically. Critical thinking problems are provided to stretch their reasoning and communication skills. Pre-Calculus explores advanced algebra topics such as polynomial, rational, exponential, and logarithmic functions; numerical and analytical trigonometry; vectors; polar coordinates; analytic geometry; sequences and series; and mathematical induction. Upon successful completion, students will progress to Calculus AB.

SURVEY OF CALCULUS (7954CEFRHS)

Credits: 10

Grades: 9th – 12th

Prerequisite: College Alg & College Trig or Precalculus

Requirement: Math

MAT 125: Includes derivatives, integrals, and their applications, with attention restricted to algebraic, exponential, and logarithmic functions for business, life science and/or social science majors.

LOBO 101

You must choose this class

LOBO 101 (9944)

Credit: 5

Grades: 9th

Prerequisite: 9th grade student at Rocky

Requirement: for all 9th grade at Rocky

The purpose of Lobo 101 is to foster intellectual growth and habits of commitment by developing closer relationships between staff and students, coordinate services, facilitate communication (student-teacher-parent), provide an adult contact, and most importantly, personalize each new freshmen student's experience at Rocky Mountain High School.

WELLNESS REQUIREMENT

We highly recommend that Freshman take either Health or Teen Choices.

PE Department Offerings

- PE 1 is our pre-requisite course and should be taken during 9th grade year. However, we offer some flexibility for student-athletes and freshman.
- ◆ Student-Athletes may enroll in Beginning Weights immediately
 - ◆ 9th graders may consider Team Sports and/or Beginning Dance right away.
 - ◆ These options are meant to provide flexibility and choice in scheduling; however PE 1 stills needs to be completed during the students 9th grade year.

HEALTH AND WELLNESS (3026)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: 5 Wellness

Wellness is defined as the quality or state of being in good health especially as an actively sought goal. This class teaches student how to pursue an active lifestyle along with making positive health choices. Topics of

study include those aspects of wellness reflected in the Colorado Academic Standards for Physical Activity and Comprehensive Health including physical activity; healthy eating; sexual health; health promotion; emotional and social wellness; alcohol, tobacco, and drug prevention; violence-free relationships; and safety. This course fulfills 2.5 credits of Health and 2.5 credits of Wellness.

PHYSICAL EDUCATION 1 (3204)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Wellness

This class can be taken at any time in a student's schedule and has no prerequisite. This class will address a variety of individual activities and team sports with an emphasis on physical fitness. This class will also include instruction about the use of the school's fitness center. This class will involve activities that will enhance a student's health and skill related components of fitness. **It is the prerequisite for all other PE classes.**

BEGINNING WEIGHT TRAINING (3010)

Credit: 5

Grades: 9th – 12th

Prerequisite: PE 1

Requirement: Wellness

This class is designed to improve muscular strength and endurance. It is designed to be a basic weight-training class, not a body-building class. The students will be introduced to a variety of weight training techniques, methods, and principles. Students will learn the terminology, anatomy and physiology necessary to understand the basic principles behind weight training. Emphasis will be on proper lifting technique, spotting technique, and safety throughout the class. Students will learn to use the available machines, as well as free weights.

BEGINNING DANCE (3044)

Credit: 5

Grades: 9th – 12th

Prerequisite: PE 1

Requirement: Wellness

This class will develop and extend the artistic, affective, cognitive and psychomotor potential of all levels of dancers. The students will be provided with opportunities to explore, choreograph, organize, evaluate and perform a variety of dance forms. ***At Rocky Mountain High School, this class participates in social dancing, cultural dance and studio styles like hip hop, ballet, jazz, modern and lyrical.***

TEAM SPORTS (3077)

Credit: 5

Grades: 9th – 12th

Prerequisite: PE 1

Requirement: Wellness

The students will be introduced to the basic skills, strategies and formations needed to play a variety of team sports. Skills will be developed through drill and game situations. Rules, terminology and safety precautions will be presented. Cooperation and the elements of effective teamwork will be stressed in all situations. ***At Rocky Mountain High School, students will complete other assignments such as tournament building, logo design, practice planning, and officiating.***

TEEN CHOICES (4041)

Credit: 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Wellness

Are you interested in learning more about the important decisions you are faced with now and in the future? In this course, you will learn how to make healthy decisions throughout your teen years. You will learn skills and practices required by individuals to develop and manage social, psychological, and physical wellness. Topics include: interpersonal relationships, stress management, safe sexual decision making, anti-substance use practices, and teens and the law. This course meets the PSD graduation requirement for Health.

FOODS, NUTRITION & WELLNESS (4410B)

Credit: 5
Grades: 9-12

Prerequisite: None

Requirement: Wellness

Are you curious about how the food you eat impacts your health and performance? You will learn how to develop lifelong healthy eating choices along with basic cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient dense foods, exploring careers related to culinary nutrition and current food trends. You will gain valuable hands-on experience during food labs. **At RMHS there is a \$25.00 course fee**

ADDITIONAL ELECTIVES

Business Department Offerings

INTRODUCTION to BUSINESS (1851)

Credit: 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

Students will be exposed to the fundamental concepts of business and marketing. Skills include basic business concepts, organizational communication, human resources management, entrepreneurship, accounting, finance, and leadership. Students will be exposed to courses within the Business and Marketing career pathways and leadership organizations, such as FBLA and DECA. **At Rocky Mountain High School, this class is recommended for grades 9 and 10.**

MARKETING (1760)

Credit: 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

Learn to market products and services. This exciting class explores the concepts of advertising, display, salesmanship, and the marketing concepts of product, price, place, and promotion. Student-oriented activities include computer simulations, development of products, group activities, and individual projects. Open to any student who wants to be challenged by the fundamentals of marketing.

SOCIAL MEDIA MARKETING (8188)

Credits: 5
Grades: 9th – 12th

Prerequisite: Intro to Business & Marketing highly encouraged

Requirement: Elective

Students learn how to use social media as a business strategy and how to match that strategy with the goals of the business. This course addresses current trends, ethics, regulations, legal challenges, strategy, content development, and change management. This course helps students develop a better understanding of how marketing with social media is similar to and different from traditional marketing and how to best use online methods to further business goals

COMPUTER APPLICATIONS 1 (1750)

FRCC Concurrent Enrollment credit available

Credit: 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

Introduces computer concepts and components as well as application suite software and the internet. Includes hands on experiences with word processing, spreadsheets, databases, and operating environments. In addition to application software, students in this course will work collaboratively with their classmates using web-based applications.

INTRODUCTION TO COMPUTER SCIENCE (6320)

Credit : 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

Introduction to Computer Science is designed to provide the student with an introduction to computer programming techniques and acquaint him/her with the Java language and operating system. The course topics follow the AP Computer Science A syllabus to allow students to grasp the concepts needed to continue into AP Computer Science A the following school year. Some of the topics included are data types control structures class design and list processing.

FACS Department Offerings

CHILD DEVELOPMENT (4310)

Credit: 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

Do you like children? Are you interested in a career working with children? If you answered —yes, then this is for you! This course focuses on knowledge and skills related to the development, care, guidance, and protection of children. Instruction addresses the principles of promoting the physical, emotional, social, and intellectual development of children. Other topics include parenting rights and responsibilities, pregnancy, and prenatal care and development. This class is also a great foundation for students interested in psychology, sociology and human development.

EDUCATION EXPLORATION (4019)

Credits: 10

Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

Education Exploration is a semester course designed to provide students with an overview of professions within education. Students will discover their own learning style and how learning styles impact teaching and the delivery of lessons. Experiences with various education professionals will enhance the understanding of classroom planning, licensure requirements, and career opportunities within school systems. This course includes a minimum of 15 extended learning hours, which may be outside of class time. With exemplary performance and instructor recommendation, students may apply for the Teacher Cadet program without meeting the 3.0 GPA requirement.

Social Studies Department Offerings

HISTORY of ROCK and ROLL (2781)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

This class is a survey of the evolution of rock styles, contributions of important performers, and musical techniques involved in the creation and performance of rock music. Students will be introduced to the history of rock and roll music, as it evolved in the United States and spread throughout the world. In addition to the historical perspective, class discussions will also focus on aesthetic and sociological issues that have influenced the various developments within the genre.

LEADERSHIP by DESIGN (7214)

Credit: 5

Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

What does it take to be a leader in today's society? This class addresses that question by helping students define what is important to them, applying past lessons in leadership to their lives and aspirations, and developing their own leadership style. Students explore the topic by analyzing examples of historical leadership, business leadership, and sports leadership. Individuals who take this class have an opportunity to practice what they have learned in a real life experience that is meant to test their leadership skills. This class is designed to have an impact on any student's future plans and is not just for those currently holding leadership positions.

CURRENT WORLD AFFAIRS (7050)

Credit: 5

Grades: 9th - 10th

Prerequisite: None

Requirement: World Studies/Social Studies

This course is designed to help students develop an objective and analytic method of making decisions about national and international affairs. This course will feature a wide ranging view of current events, with an emphasis on student-led presentations, projects and research. This class will work in conjunction with the Lobo 101 curriculum applying the skills of a successful student with research and understanding of contemporary issues. Students will increase knowledge and understanding of the world around them while applying this knowledge to personal success in high school and beyond.

AMERICAN SPORTS HISTORY (8612)

Credits: 5
Grades: 9th – 12th

Prerequisite: None

Requirement: Elective

This Social Studies elective is designed for students that are eager to learn more about the foundations and history of Sports in America and the role they have played in shaping society, athletes and the culture of The United States. Students will look at key figures and role models that have helped shape a variety of popular sports and inspire future athletes in their respective sports. Students will also look and analyze the positives and negatives that professional sports have played in past and present America. Students will analyze and discuss each event practicing the 5 “Cs” of historical thinking: Change of Time, Context, Causality, Complexity, and Contingency. Content instruction will be driven by student interest and include projects, presentations, videos, and guest speakers when available.

APPLICATION COURSES

MUSICAL THEATRE PRODUCTION (5237)

Credit: 5
Grades: 9th – 12th

Prerequisite: Audition and Instructor Approval

Requirement: Fine/Applied Arts

This one term class is an interdisciplinary class designed to develop skills in various aspects of producing a major musical. It is open to students with a variety of interests including singing, acting, dancing, instrumental music, technical theater, and marketing. Auditions, portfolios and/or resumes may be required. ***At Rocky, auditions are announced by the performing arts department and will be held during 2nd semester. Actors are required to perform a one minute memorized monologue, as well as 24 bars of a musical. Students interested in technical theatre and marketing should speak directly with Ms. Schendel before March 1st. Students interested in pit orchestra (winds, strings, percussion, keyboard) should speak directly with Mr. Schlup before March 1st. Participants will be required to attend additional rehearsals and construction meetings beyond scheduled class time. The last two weeks of the term requires evening/late night rehearsals. Please note: The final week of rehearsals will require all students to attend rehearsal from 5:00pm to 11:30pm. All students are required to participate in the final production (4 shows) held at 7pm. A \$15 production fee will be assessed to all students. Fees are waived for Free and Reduced Lunch Students.***

YEARBOOK (5130)

Credit: 15
Grades: 10th – 12th *Please see below for any 9th grader interested in yearbook

Prerequisite: Instructor Approval, Journalism 1 is helpful

Requirement: Fine/Applied Arts

This class is not recommended for 9th grade students; however, there are situations in which a 9th grade student can participate in Yearbook. The 9th grade student must email Ms. White at amwhite@psdschools.org. In your email, please explain your experience on a yearbook staff, your leadership role, and provide a teacher recommendation from your current yearbook teacher. Contact Ms. White with any questions.

The function of the yearbook production class is to record the historical events that occur during the year and produce, market, and sell a yearbook. The process includes photography, graphic design, copywriting, layout design, computer usage, a working knowledge of the printing production process, and completion of work within a deadline. The class will be 4 terms in length that meets on a daily basis. Students involved in Yearbook are required to spend additional time outside of class to meet the deadlines and take photos.