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Southwest Colorado's own accredited online diploma-granting high school

High School Courses

English/Language Arts		
Course Title	Course Description	Please Note
English/Language Arts 9* year long course NCAA approved course	English/Language Arts 9 incorporates the five aspects of language arts: reading, writing, speaking, listening, and viewing. Study of genres leads to written compositions that build upon students' prior knowledge of grammar, vocabulary, word usage, and mechanics. Students apply comprehension and critical reading skills to both literature and nonfiction.	
English/Language Arts 10* year long course NCAA approved course	English/Language Arts 10 offers a balanced focus on composition and literature. Students read widely to improve their reading rate, vocabulary, and comprehension and develop skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. Students apply knowledge of purposes and audiences by studying and producing various genres. Oral communication is practiced in group settings as well through presentations.	
English/Language Arts 11* year long course NCAA approved course	English/Language Arts 11 develops students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, which students apply to compositions that utilize research and rhetoric. Students read nonfiction and literary	

	<p>works as a means to understand the world and to inform their writing. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. Participation in class dialogue and delivering presentations are expectations of this course.</p>	
<p>English/Language Arts 12* year long course NCAA approved course</p>	<p>English/Language Arts 12 blends composition, analytical reading, and literature into a cohesive whole. Students combine purposes, patterns, and genres in writing while incorporating research and rhetorical techniques. Collaboration and critical thinking lead to more complex presentations and products, with students honing their comprehension skills while reading more complicated literary and nonfiction texts.</p>	
<p>English/Lang Arts Honors* ENG 121: English Composition I semester course-<u>fall only</u> Grades 9, 10, 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Accuplacer Next Gen Writing Score of 246 or above <i>OR</i> ACT score of 18 or above <i>OR</i> SAT score of 470 <i>OR</i> 3.0 cum GPA or higher AND passed English/Lang Arts 11 or 12 with B or better in both semesters.</p> <p><u>Fees:</u> RRCC tuition cost covered by Jeffco Public Schools.</p> <p>Textbook and other related materials responsibility of student. Details will be shared with students the first week of the course.</p>	<p>This course develops critical/logical thinking skills through the planning, drafting, and revising of major compositions. The course emphasizes analytical, evaluative and persuasive/argumentative writing, as well as digital/visual literacy.</p>	<p>Concurrent Enrollment Course with Red Rocks Community College.</p> <p>Guaranteed transfer college credit through RRCC for 3.0 credits of ENG 121: English Composition I</p> <p>College course that earns a weighted grade on the high school transcript for .5 English credit if a C or higher is earned.</p> <p>If students have taken AP Language and Composition and passed the AP exam with a 3 or higher, they have already earned credit for ENG 121 and should not take this course.</p>

<p>English/Lang Arts Honors* ENG 122: English Composition II semester-course-<u>spring only</u> Grades 9, 10, 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successfully completed ENG 121: English Composition I with a C or better <i>OR</i> Taken AP Language and Composition and passed the AP exam with a 3 or higher.</p>	<p>This course expands and refines the objectives of English Composition I. The course emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive compositions that incorporate research.</p>	<p>Concurrent Enrollment Course with Red Rocks Community College.</p> <p>Guaranteed transfer college credit through RRCC for 3.0 credits of ENG 122: English Composition II</p> <p>College course that earns a weighted grade on the high school transcript for .5 English credit if a C or higher is earned.</p>
<p>Journalism Grades 9, 10, 11, 12 semester course-<u>spring only</u></p>	<p>Journalism (typically associated with the production of a school newspaper, yearbook or literary magazine) emphasizes writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and responsibility; develop student's skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout and printing. Photography and photojournalism skills may be included.</p>	<p>This course is elective credit only and does not satisfy the English graduation requirements.</p>

Math

Students must successfully complete semester 1 of any year long course beyond Geometry to continue on to semester 2 of the course.

Course Title	Course Description	Please Note
<p>Algebra I* year long course Grades 9, 10 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of</p>	<p>This course follows the Algebra 1 Jeffco Bridge to Curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the following units of study: Reasoning with Equations/Inequalities, Modeling with Linear Functions, Introduction to</p>	

<p>Math 8 or Pre-Algebra</p>	<p>Exponential Functions, Quadratic Functions and Polynomial Operations, Descriptive Statistics, Analyzing Functions, Algebraic Reasoning with Geometric Concepts.</p>	
<p>Geometry* year long course Grades 9, 10 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Algebra I</p>	<p>This course follows Jeffco Geometry Bridge to Curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the following units of study: Expressing Geometric Properties with Equations, Congruence, Similarity, Right triangles and Trig, Quadrilaterals and Polygons, Probability and Statistics, Circles, Geometric Measurement and Dimension.</p>	
<p>Algebra Intermediate year long course Grades 11, 12</p> <p><i>Prerequisite:</i> Successful completion of Algebra I and at least one semester of Geometry</p>	<p>This course follows the 11th grade district approved curriculum and counts as the third year of graduation requirements. Intermediate Algebra connects and extends algebra and geometry concepts. This course focuses on modeling various situations using rigorous mathematics with an emphasis on real numbers and algebraic properties, graphing skills, and applications drawn from a variety of areas including algebra, statistics, geometry, and continuous and discrete mathematics. Topics include polynomials, factoring, exponents and their notation, matrices, linear functions, linear systems and inequalities, quadratics, exponential functions, geometric connections, trigonometry and topics in probability and statistics. Students apply mathematical skills and make meaningful connections to life's experiences.</p>	
<p>Algebra II* year long course Grades 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Algebra I and Geometry</p>	<p>This course follows Jeffco Algebra 2 Bridge to Curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the following units of study: Functions/Transformations/Systems, Complex Numbers through Quadratics, Polynomials/Polynomial Functions, Rational Exponents/Radical Functions, Exponential/Logarithmic Functions,</p>	<p>This course requires a graphing calculator.</p>

	Trigonometric Functions, Probability/Statistics, and Rational Functions.	
<p>Pre-Calculus/Trig* year long course Grades 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Algebra II</p>	<p>This course combines the study of trigonometry, elementary functions, analytical geometry and math analysis topics as preparation for calculus. Topics include the study of complex numbers, polynomial, logarithmic, exponential, rational, right trigonometric and circular functions and their relations, inverses, and graphs, trigonometric identities and equations, solutions of right and oblique triangles, vectors, parametric equations and their graphs, the polar coordinate system, conic sections, and limits. Note: This class includes Calculus A topics.</p>	<p>This course requires a graphing calculator.</p>
<p>Pre-Calc/Trig Honors* MAT 121: College Algebra semester course-<u>fall only</u> Grades 9, 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Accuplacer Elementary Algebra 085 or above <i>OR</i> ACT Math 23 or above <i>OR</i> SAT Mathematics 590; <i>OR</i> 3.0 cum GPA or higher AND passed Pre-Calc with B or better in both semesters.</p> <p><i>Fees:</i> RRCC tuition cost covered by Jeffco Public Schools.</p> <p>Textbook and other related materials responsibility of student. Details will be shared with students the first week of the course.</p>	<p>The course focuses on a variety of functions and the exploration of their graphs. Topics will include: equations and inequalities, operations on functions, exponential and logarithmic functions, linear and non-linear systems, and an introduction to conic sections. This course provides essential skills for STEM pathways.</p> <p>Tests must be taken in person at a designated location.</p>	<p>Concurrent Enrollment Course with Red Rocks Community College.</p> <p>Guaranteed transfer college credit through RRCC for 4.0 credits of MAT 121: College Algebra.</p> <p>Honors/college course course that earns a weighted grade on the high school transcript for .5 Math-Geometry and Higher if a C or higher is earned.</p>
<p>Pre-Calc/Trig Honors* MAT 122: College Trigonometry semester course-<u>spring only</u> Grades 9, 10, 11, 12 NCAA approved course</p>	<p>The course explores trigonometric functions, their graphs, inverse functions and identities. Topics will include: trigonometric equations, solutions of triangles, trigonometric form of complex numbers, and polar coordinates. This</p>	<p>Concurrent Enrollment Course with Red Rocks Community College.</p> <p>Guaranteed transfer</p>

<p><u>Prerequisite:</u> MAT 121 grade C or higher <i>OR</i> Accuplacer College Level Math 063 or above <i>OR</i> ACT Math 24 or above <i>OR</i> SAT Mathematics 610 or above <i>OR</i> 3.0 cum GPA or higher AND passed Pre-Calc with B or better in both semesters.</p> <p><u>Fees:</u> RRCC tuition cost covered by Jeffco Public Schools.</p> <p>Textbook and other related materials responsibility of student. Details will be shared with students the first week of the course.</p>	<p>course provides essential skills for STEM pathways.</p> <p>Tests must be taken in person at a designated location.</p>	<p>college credit through RRCC for 4.0 credits of MAT 122: College Trigonometry.</p> <p>Honors/college course that earns a weighted grade on the high school transcript for .5 Math-Geometry and Higher if a C or higher is earned.</p>
<p>AP Calculus AB* year long course Grades 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of Pre-Calculus/Trig, Honors Pre-Calculus/Trig, or Math Analysis Honors.</p> <p><u>Fees:</u> CU-Succeed tuition (approx \$80), textbook (below), AP exam (approx \$90) and other related materials responsibility of student. Details will be shared with students the first week of the course.</p> <p>Calculus Ron Larson Bruce H. Edwards ISBN-10: 0547167024 ; ISBN-13: 978-0547167022 1328 Pages © 2010 Published</p>	<p>This course follows the College Board’s suggested curriculum designed to parallel college-level calculus courses. AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. This course introduces calculus and includes the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus(including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of change problems); and integral calculus (including anti-derivatives, the definite integral and application of integrals).</p>	<p>CU-Succeed Dual Enrollment Course Option.</p> <p>CU-Succeed courses are not guaranteed transfer credits. Students are encouraged to contact institutions of interest prior to registering to understand how courses/credits will transfer.</p> <p>AP course course that earns a weighted grade on the high school transcript for .5 Math-Geometry and Higher if a C or higher is earned.</p>
<p>AP Calculus BC*</p>		<p>CU-Succeed Dual</p>

<p>year long course Grades 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of Honors Pre-Calculus/Trig, Honors Trig/Calculus A, or Math Analysis Honors.</p> <p><u>Fees:</u> CU-Succeed tuition (approx \$80), textbook (below), AP exam (approx \$90) and other related materials responsibility of student. Details will be shared with students the first week of the course.</p> <p>Calculus Ron Larson Bruce H. Edwards ISBN-10: 0547167024 ; ISBN-13: 978-0547167022 1328 Pages © 2010 Published</p>		<p>Enrollment Course Option.</p> <p>CU-Succeed courses are not guaranteed transfer credits. Students are encouraged to contact institutions of interest prior to registering to understand how courses/credits will transfer.</p> <p>AP course course that earns a weighted grade on the high school transcript for .5 Math-Geometry and Higher if a C or higher is earned.</p>
<p>Calculus II* semester course Grades 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of AP Calculus AB.</p> <p><u>Fees:</u> CU-Succeed tuition (approx \$80), textbook (below), and other related materials responsibility of student. Details will be shared with students the first week of the course.</p> <p>Calculus Ron Larson Bruce H. Edwards ISBN-10: 0547167024 ; ISBN-13: 978-0547167022 1328 Pages © 2010 Published</p>	<p>This course is the equivalent to the second semester of AP Calculus BC.</p> <p>This course follows the College Board’s suggested curriculum designed to parallel college-level calculus courses. Calculus II provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus. This course assumes a thorough knowledge of elementary functions, and the calculus topics in AP Calculus AB. This course will cover the following topics: improper integrals, vector functions, parametric equations and graphs, polar coordinates and functions, advanced techniques of integration, advanced applications of the definite integral, polynomial approximation and series.</p>	<p>CU-Succeed Dual Enrollment Course Option.</p> <p>CU-Succeed courses are not guaranteed transfer credits. Students are encouraged to contact institutions of interest prior to registering to understand how courses/credits will transfer.</p> <p>AP course course that earns a weighted grade on the high school transcript for .5 Math-Geometry and Higher if a C or higher is</p>

		earned.
<p>Multivariate Calculus Honors* (Calc III) semester course Grades 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of AP Calculus AB and Calculus II, or AP Calculus BC.</p> <p><i>Fees:</i> CU-Succeed tuition (approx \$80), textbook (below), and other related materials responsibility of student. Details will be shared with students the first week of the course.</p> <p>Calculus Ron Larson Bruce H. Edwards ISBN-10: 0547167024 ; ISBN-13: 978-0547167022 1328 Pages © 2010 Published</p>	<p>One semester Multivariate Calculus includes the study of hyperbolic functions, improper integrals, directional directives, multiple integration and its applications. The honors course prepares students for advanced coursework and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.</p>	<p>CU-Succeed Dual Enrollment Course Option.</p> <p>CU-Succeed courses are not guaranteed transfer credits. Students are encouraged to contact institutions of interest prior to registering to understand how courses/credits will transfer.</p> <p>AP course course that earns a weighted grade on the high school transcript for .5 Math-Geometry and Higher if a C or higher is earned.</p>
<p>Differential Calculus Honors* (Calc IV) semester course Grades 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Multivariate Calculus Honors.</p> <p><i>Fees:</i> CU-Succeed tuition (approx \$80), textbook (below), and other related materials responsibility of student. Details will be shared with students the first week of the course.</p> <p>Differential Equations and Linear Algebra (2nd Edition) Farlow Hill McDill West</p>	<p>This course follows Multivariate Calculus Honors. One semester Differential Calculus course includes the study of elementary differential equations including first and higher order differential equations, partial differential equation, linear equations systems of linear equations, transformations, series solutions, numerical methods, boundary value problems and the existence theorem. The honors course prepares students for advanced coursework and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation,</p>	<p>CU-Succeed Dual Enrollment Course Option.</p> <p>CU-Succeed courses are not guaranteed transfer credits. Students are encouraged to contact institutions of interest prior to registering to understand how courses/credits will transfer.</p> <p>AP course course that earns a weighted grade on the high school transcript for .5</p>

ISBN-10: 0131860615 ; ISBN-13: 978-0131860612 © 2007 Published	problem-solving, investigation, and logic are emphasized throughout the honors course.	Math-Geometry and Higher if a C or higher is earned.
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Physical Education

All courses in this section will satisfy the Jeffco PE/Health graduation requirement.

Course Title	Course Description	Please Note
Event Training semester course- <u>spring only</u> Grades 9, 10, 11, 12	Students will analyze their current fitness, learn how to create and follow through with a training plan and the importance of nutrition in sports. They will learn the risks of inactivity and learn how to manage stress. Through daily exercise they will build up to their final assessment which will be completion of a 5K, 10K, half-marathon, triathlon or other organized sporting event.	A camera phone or digital camera is required to take this course.
Health Education semester course Grades 9, 10, 11, 12	Health Education has two components; classroom learning as well as exercise geared for lifetime fitness. In the classroom, students will apply health skills such as goal setting, advocacy for self and others, and decision making while increasing their knowledge around health behaviors necessary for maintaining a healthy lifestyle. During the exercise component, students will engage in regular physical activity, as well as create and carry out a personalized fitness plan.	
Lifetime Fitness semester course Grades 9, 10, 11, 12	Lifetime Fitness has two components; classroom learning as well as exercise geared for lifetime physical fitness. In the classroom, students acquire the skills, habits and knowledge necessary for lifelong fitness. Topics include the Physical Activity Pyramid, principles of physical fitness and self-management skills. During the exercise component, students will engage in regular physical activity, as well as create and	A camera phone or digital camera is required to take this course.

	carry out a personalized fitness plan	
Recreation/Sports semester course- <u>fall only</u> Grades 9, 10, 11, 12	Recreation Sports provides students with knowledge, experience, and an opportunity to develop skills in more than one recreational sport or outdoor pursuit such as adventure activities, Frisbee, wall climbing, fishing, hiking, cycling, and more	A camera phone or digital camera is required to take this course.

Science

Students must successfully complete semester 1 of any year long science class beyond Biology to continue with semester 2 of the course. Below is a flowchart for the Science Pathways to consider when you are selecting your courses.

Science ~ Pathways Chart

Post-Secondary Plans	9th grade	10th grade	11th grade	12th grade
Plan to attend college or technical school in preparation for a career in <u>non-science</u> related field; or have <u>other plans</u> after high-school.	Biology (year) or Earth Science (year)	Biology (year) or Earth Science (year)	Chemistry (year) or Astronomy (semester) Forensic Science (semester) Marine Biology (semester)	Physics (year) or AP Environmental Sci (year) or Astronomy (semester) Forensic Science (semester) Marine Biology (semester)
Plan to attend college or technical school in preparation for a career in <u>non-science</u> technology related field	Biology (year) or Earth Science (year)	Biology (year) or Earth Science (year)	Chemistry (year) or Physics (year) or Astronomy (semester) Forensic Science (semester) Marine Biology (semester)	Chemistry (year) or Physics (year) or AP Environmental Sci (year) or Astronomy (semester) Forensic Science (semester) Marine Biology (semester)
Plan to attend college in preparation for a <u>science</u> related field	Biology (year)	AP Environmental Sci (year)	Chemistry (year) or Physics (year) Additional electives:	Chemistry (year) or Physics (year) or Additional electives:

			Astronomy (semester) Forensic Science (semester) Marine Biology (semester)	Astronomy (semester) Forensic Science (semester) Marine Biology (semester)
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Course Title	Course Description	Please Note
<p>Biology* year long course Grades 9, 10 NCAA approved course</p>	<p>Biology courses are laboratory science courses designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. Students will also explore heredity, evolution and classification, diversity of living organisms and their ecological roles, and an introduction to animal structure and function. Throughout the year this course provides an opportunity for students to develop scientific process skills and laboratory techniques.</p>	
<p>Earth Science* year long course Grades 9, 10 NCAA approved course</p>	<p>Earth Science offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.</p>	
<p>Chemistry* year long course Grades 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Algebra I, Earth Science and Biology.</p>	<p>Chemistry courses involve studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behavior of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.</p>	
<p>Physics* year long course Grades 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of</p>	<p>Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.</p>	

Algebra I, Earth Science and Biology.		
<p>AP Environmental Science* year long course Grades 10, 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of Earth Science or Biology and Algebra I. 10th graders need teacher approval before entering course.</p> <p><u>Fees:</u> CCU tuition, textbook, AP exam (approx \$90) and other related materials responsibility of the student. Details will be shared with students the first week of the course.</p>	<p>AP Environmental Science is designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems.</p>	<p>Colorado Christian University Dual Enrollment Course Option.</p> <p>CCU courses are not guaranteed transfer credits. Students are encouraged to contact institutions of interest prior to registering to understand how courses/credits will transfer.</p> <p>AP course course that earns a weighted grade on the high school transcript for .5 Science if a C or higher is earned.</p>
<p>Astronomy* semester course-<u>spring only</u> Grades 10, 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of Earth Science or Biology, and concurrently enrolled in the one not taken as a 9th grader if you are 10th grader.</p>	<p>Astronomy is a survey course that will emphasize conceptual understanding of cosmology, galaxies, stars, planetary systems, astrobiology, exoplanets and observations of the night sky. Although math will not be a focus, it is recommended that students successfully complete algebra before taking this course.</p>	<p>This course satisfies the Science graduation requirement, but may not be recognized as a lab based class by some colleges/universities.</p>
<p>Forensic Science* semester course Grades 10, 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of Earth Science or Biology, and concurrently enrolled in the one not</p>	<p>This course is designed to provide students with an introduction to the field of forensic science. The overall goal of the course is to use the scientific method to develop the students' problem- solving skills, using the tools and techniques of modern forensic scientists. Students will learn about specific techniques used in forensics encompassing the fields of</p>	<p>This course satisfies the Science graduation requirement, but may not be recognized as a lab based class by some colleges/universities.</p>

<p>taken as a 9th grader if you are 10th grader.</p>	<p>biology, chemistry, physics and crime scene investigation. Topics covered will include crime scene processing, analyzing evidence, specialized fields of forensic study, careers and the impact of media. Students will gain an understanding of the inquiry approach necessary to perform an investigation and the application of the tools available to solve a crime.</p>	
<p>Marine Biology* semester course-<u>fall only</u> Grades 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Earth Science or Biology, and concurrently enrolled in the one not taken as a 9th grader if you are 10th grader.</p>	<p>A Marine Biology course is a laboratory-based exploration of the oceans and the marine ecosystems found in them. They explore the biology of the marine organisms, topography, chemistry, diversity and resources found in the ocean.</p>	<p>This course satisfies the Science graduation requirement, but may not be recognized as a lab based class by some colleges/universities.</p>

<h2 style="color: #e67e22;">Social Studies</h2>		
Course Title	Course Description	Please Note
<p>World Geography* semester course Grade 9 NCAA approved course</p>	<p>World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.</p>	
<p>U.S. Govt Comprehensive* semester course Grade 9 NCAA approved course</p>	<p>U.S. Government—Comprehensive courses provide an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic</p>	

	<p>participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.</p>	
<p>Modern U.S. History* year long course Grade 10, 11 NCAA approved course</p>	<p>Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.</p>	
<p>World History Overview* year long course Grade 10, 11 NCAA approved course</p>	<p>World History Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.</p>	
<p>Economics* semester course Grade 12 NCAA approved course</p>	<p>Economics courses provide students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.</p>	
<p>Anthropology* semester course-<u>spring only</u> Grade 9, 10, 11, 12 NCAA approved course</p>	<p>Anthropology courses introduce students to the study of human evolution with regard to the origin, distribution, physical attributes, environment, and culture of human beings. The courses provide an overview of anthropology, including but not limited to both physical and cultural anthropology.</p>	<p>This course is elective credit only and does not satisfy the Social Studies graduation requirements.</p>
<p>Philosophy* semester course-<u>fall only</u></p>	<p>Philosophy introduces students to the discipline of philosophy as a way to analyze the principles</p>	<p>This course is elective credit only and does</p>

<p>Grade 9, 10, 11, 12 NCAA approved course</p>	<p>underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.</p>	<p>not satisfy the Social Studies graduation requirements..</p>
<p>Psychology* semester course Grade 9, 10, 11, 12 NCAA approved course</p>	<p>Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.</p>	<p>This course is elective credit only and does not satisfy the Social Studies graduation requirements.</p>
<p>Particular Topics in Psychology (Psychology II)* semester course Grade 9, 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Psychology</p>	<p>This course examines a particular topic in psychology, such as human growth and development or personality, rather than provide a more comprehensive overview of the field. The course will study major patterns of abnormal behavior and their description and diagnosis, interpretation, treatment, and prevention. The course will focus on various psychological disorders such as depression, schizophrenia, anxiety disorders, eating disorders, and personality disorders. The course broadly reviews scientific and cultural perspectives on abnormal behavior with an emphasis on clinical descriptions and diagnosis, etiology, treatment, and research methods.</p>	<p>This course is elective credit only and does not satisfy the Social Studies graduation requirements.</p>
<p>Psychology 101* semester course-<u>fall only</u> Grade 9, 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Accuplacer Next Gen Writing Score of 246 or above <i>OR</i> ACT score of 18 <i>OR</i> SAT score 470 <i>OR</i> 3.0 cum GPA AND passed HS English 11 or 12 with B or better in both semesters.</p> <p><i>Fees:</i></p>	<p>Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning and memory.</p>	<p>Concurrent Enrollment Course with Red Rocks Community College.</p> <p>Guaranteed transfer college credit through RRCC for 3.0 credits of PSY 101: General Psychology</p> <p>College course that earns a weighted grade on the high school transcript for .5 Elective credit if a C or higher is earned.</p>

<p>RRCC tuition cost covered by Jeffco Public Schools.</p> <p>Textbook (below) and other related materials responsibility of student. Experience Psychology 3rd Edition Laura A King ISBN-10: 1260001792 ISBN-13: 978-1260001792 © 2016 McGraw Hill Publishing</p>		<p>This course is elective credit only and does not satisfy the Social Studies graduation requirements.</p>
<p>Sociology* semester course-<u>spring only</u> Grade 9, 10, 11, 12 NCAA approved course</p>	<p>Sociology introduces students to the study of human behavior in society. The course provides an overview of sociology, generally including, but not limited to topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.</p>	<p>This course is elective credit only and does not satisfy the Social Studies graduation requirements.</p>

World Language

Students must successfully complete semester 1 of any World Language to continue on to semester 2.
Courses in this section satisfy Jeffco Elective graduation requirements.

Course Title	Course Description	Please Note
<p>French I* year long course Grade 9, 10, 11, 12 NCAA approved course</p>	<p>Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.</p>	
<p>French II* year long course Grade 9, 10, 11, 12 NCAA approved course</p>	<p>French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for</p>	

<p><u>Prerequisite</u>: Successful completion of French I</p>	<p>informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).</p>	
<p>French III* year long course Grade 9, 10, 11, 12 NCAA approved course</p> <p><u>Prerequisite</u>: Successful completion of French II</p>	<p>French III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.</p>	
<p>German I* year long course Grade 9, 10, 11, 12 NCAA approved course</p>	<p>Designed to introduce students to German language and culture, German I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.</p>	
<p>German II* Grades 9, 10, 11, 12 year long course NCAA approved course</p> <p><u>Prerequisite</u>: Successful completion of German I</p>	<p>German II courses build upon skills developed in German I, extending students' ability to understand and express themselves in German and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of German-speaking people to deepen their understanding of the culture(s). German culture is introduced through the art, literature, customs, and history of the</p>	

	German-speaking people.	
<p>Spanish I* year long course Grade 9, 10, 11, 12 NCAA approved course</p>	<p>Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.</p>	
<p>Spanish II* year long course Grade 9, 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Spanish I</p>	<p>Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).</p>	
<p>Spanish III* year long course Grade 9, 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Spanish II</p>	<p>Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.</p>	
<p>Spanish IV* year long course Grade 9, 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of</p>	<p>Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand</p>	

Spanish III	speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.	
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Fine/Practical Arts

The following courses will satisfy the Fine/Practical Arts Elective graduation requirement.

Course Title	Course Description	Please Note
Computer Graphics- Production Design semester course- <u>fall only</u> Grade 9, 10, 11, 12	Computer Graphics Prod Design explores the use of tools, computer graphics techniques and design layout principles to produce professional graphic designs. Studies include printing basics, typography and digital color systems. Students use creative thinking to solve communication and design concepts for the output process. Click here for informational video – Computer Graphics - Production Design Course Overview	Students must have a Mac or PC in order to take this course. A Chromebook or other tablet device will not have the capacity to run the required software for the course.
Creative Art: Comprehensive semester course- <u>spring only</u> Grade 9, 10, 11, 12	Creative Art provides students with the knowledge and opportunity to explore an art form and to create individual works of art. This course may also provide a discussion and exploration of career opportunities in the art world. Initial course cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although the Creative Art course focuses on creation, it may also include the study of major artists, art movements, and styles.	
Digital Photography semester course- <u>fall only</u>	Digital Photography will introduce students to the use of digital cameras and digital image-	Students must have access to a computer

<p>Grade 9, 10, 11, 12</p>	<p>editing software, primarily using Adobe Photoshop. The roles of scanning processes and equipment, image picture-taking modes and printing preparation, and various output devices will be explored in producing the photographic image. Advanced exposure techniques such as pre-visualizing and the application of visual elements and lighting techniques will be stressed. Students will also continue to investigate the history of photography.</p>	<p>with a minimum of 512MB of RAM and a contemporary operating system as well as a digital camera with manual capabilities.</p>
<p>Film/Video semester course-<u>spring only</u> Grade 9, 10, 11, 12</p>	<p>The Film/Video course exposes students to the materials, processes, and artistic techniques involved in film, television, or video. Students learn about the operation of a camera, lighting techniques, camera angles, depth of field, composition, storyboarding, sound capture, and editing techniques. Course topics may also include production values and various styles of filmmaking (documentary, storytelling, news magazines, animation, and so on). As students advance, the instruction becomes more refined, and students are encouraged to develop their own artistic style. Students may also study major filmmakers, cinematographers, and their films and learn about film, television, and video and their relationships to drama and theater. Click here for informational video - Film/Video Course Overview</p>	<p>Students must have a Mac or PC in order to take this course. A Chromebook or other tablet device will not have the capacity to run the required software for the course.</p>
<p>Web Page Design I semester course-<u>fall only</u> Grade 9, 10, 11, 12</p>	<p>Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts</p>	<p>Students must have a Mac or PC in order to take this course. A Chromebook or other tablet device will not have the capacity to run the required software for the course.</p>

	<p>for database access, transfer methods, and networking fundamentals.</p> <p>Click here for informational video - Web Page Design Course Overview</p>	
<p>Web Page Design II Grades 9, 10, 11, 12 semester course-<u>spring only</u></p> <p><i>Prerequisite:</i> Successful completion of Web Page Design I (HS level)</p>	<p>Students will continue building knowledge of HTML programming language and move to use of WYSIWYG programs. Java Script will be introduced to create mouse over and pop-up windows. Programming and usage forms and cascading style sheets will be introduced. Evaluation of web sites, ethical usage and copyright information will be discussed. Commercial graphic design software will be introduced to create graphics and animations. Flash, digital video and PDF will be included.</p> <p>Click here for informational video - Web Page Design II Course Overview</p>	<p>Students must have a Mac or PC in order to take this course. A Chromebook or other tablet device will not have the capacity to run the required software for the course.</p>
<p>Computer Programming semester course-<u>fall only</u> Grade 9, 10, 11, 12</p> <p><i>Prerequisite:</i> Successful completion or concurrently enrolled in Algebra I.</p>	<p>This is a beginning course that introduces students to a variety of programming environments. Units of study include web design and development, game and app development, coding basics using Python and Java, and an independent unit where students will choose a unit of study of their choice from several programming options. Languages that will be introduced include HTML, CSS, HTML5, JavaScript, Python, Java, and possibly more in the independent units.</p> <p>Click here for informational video - Computer Programming Course Overview</p>	<p>Students must have a Mac or PC in order to take this course. A Chromebook or other tablet device will not have the capacity to run the required software for the course.</p> <p>Course can count as a math graduation requirement Geom and higher if needed. 3 full years of traditional math are still recommended.</p>
<p>Career Exploration Grades 9, 10, 11, 12 semester course</p>	<p>Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. The courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.</p>	

<p>Child Development/Parenting semester course Grade 9, 10, 11, 12</p>	<p>The Child Development/Parenting course provides students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to adolescence. Course content typically includes topics such as prenatal and birth processes; responsibilities and difficulties of parenthood; fundamentals of children's emotional and physical development; and the appropriate care of infants, toddlers, young children and school-aged children. Students interested in careers with children and/or psychology will find this class an excellent experience.</p>	
<p>Life Management semester course Grade 9, 10, 11, 12</p>	<p>Students in Life Management will demonstrate problem solving, communication skills, computation/estimation, career choice, paycheck management and decision making skills for living on their own. Students will apply knowledge to real world situations like managing resources and finances, paying bills, using credit, applying for loans, selecting apartments and cars, and balancing checkbooks to meet their short and long term goals. Becoming an effective consumer will be emphasized. In addition, topics covered may include investment planning, taxes, personal wellness, and time management.</p>	
<p>Culinary Nutrition (Formerly called Intro to Foods/Nutrition) semester course Grade 9, 10, 11, 12</p>	<p>The purpose of Culinary Nutrition is to develop lifelong, healthy individuals with an understanding of healthy and nutritious cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient dense foods, exploring careers related to culinary nutrition, and practicing wise consumer decisions.</p>	
<p>Composition/Songwriting semester course Grade 9, 10, 11, 12</p>	<p>The Songwriting course prepares students to express themselves through creating music and is an introduction to basic songwriting. This course will use conventional and non-conventional notation and will include lyric and melody writing. Students will use online</p>	<p>Modifications will be provided for students regardless of their musical skill or knowledge so that all have a successful</p>

	music software for creating their own songs. Professionally written songs and students' songs will be analyzed in class. Participation in this course will develop student's creativity and innovation skills.	experience.
Music History semester course Grade 9, 10, 11, 12	Similar in nature to Music History/Appreciation courses, Music History courses focus specifically on the history of music. This class will focus on the study and development of American music. Connections of music through events in history will also be highlighted.	
Music Theory semester course Grade 9, 10, 11, 12	Music Theory provides students with an understanding of the fundamentals of music and includes one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.	

Electives

The following courses will satisfy the Elective graduation requirement. Any course taken in any previous section is designated as elective credit once the graduation requirement in that area has been fulfilled.

Course Title	Course Description	Please Note
Video Game Design semester course- <u>spring only</u> Grade 9, 10, 11, 12	Students learn how to design, write, and test software using object-oriented software development environments. Students are introduced to the concept of humane game design and explore how computer programs and games can be used to communicate values, ideas, and thoughts. Students explore the idea of game and how this transfers to computers. Students learn how to convert their ideas into visual, audio, and story assets for their game software. Topics covered include fundamental design processes, use of variables in programming, program control and flow features, iterative statements, and incorporating files and graphics into software.	Students must have a Mac or PC in order to take this course. A Chromebook or other tablet device will not have the capacity to run the required software for the course.

	<u>Click here for informational video – Video Game Design Course Overview</u>	
<p>Workplace Experience semester course Grade 9, 10, 11, 12</p>	<p>Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.</p>	<p>Students must have a job and work an average 15 hrs/week to be able to take Workplace Experience.</p>