



**LEARN DIFFERENTLY ANYWHERE**

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

## Middle School Courses

### English / Language Arts:

#### English/Lang Arts 6 (year long course)

English/Language Arts 6 incorporates 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. These courses may emphasize the use of language for different effects, in different contexts, and for different purposes.

#### English/Language Arts 7 (year long course)

English/Language Arts 7 incorporates 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. Beyond emphasizing different uses for language, these courses may also include using language (particularly written text) to construct meaning and connections.

#### English/Language Arts 8 (year long course)

English/Language Arts 8 incorporates 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. Typically, these courses use various genres of literature to improve reading skills, and they link writing exercises for different purposes to those reading selections.

### Math:

#### Math 6 (year long course)

This course is aligned to the grade 6 CAS (Colorado Academic Standards in Mathematics) and follows 6th grade CAP documents. The course emphasizes proficiency in skills involving understanding ratio concepts and using ratio reasoning to solve problems; applying and extending previous understanding of multiplication and division to divide fractions by fractions; computing

fluently with multi-digit numbers and find common factors and multiples; applying and extending previous understanding of numbers to the rational number system and arithmetic to algebraic expressions; reasoning about and solving one-variable equations and inequalities; representing and analyzing quantitative relationships; solving problem including area, surface area and volume; developing understanding statistical variability and distributions.

### **Math 7** (year long course)

*Prerequisite:* Successful completion of Math 6

This course is aligned to the grade 7 CAS (Colorado Academic Standards in Mathematics) and follows 7th grade CAP documents. The course emphasize proficiency in skills involving rational numbers and operations; proportional reasoning and relationships; measurement; patterns; functions; algebraic formulas; algebraic expressions, equations and inequalities; 2D & 3D geometry; concepts of data analysis, including statistics and probability; and mathematical practices.

### **Math 8 (Pre-Algebra)** (year long course)

*Prerequisite:* Successful completion of Math 7

This course is aligned to the grade 8 CAS (Colorado Academic Standards in Mathematics) and follows 8th grade CAP documents. Math 8 courses emphasize proficiency in skills involving rational numbers and operations, real numbers, exponents, measurement, patterns, proportional reasoning, linear functions and relationships, algebra, solving systems of equations, geometry transformations, bivariate statistics, probability; and mathematical practices.

**Per Jeffco district policy, no high school credit will be awarded to middle school students that complete a high school level math course (or any course).** Colleges and universities, however, will recognize that a student took a high school level math course of Algebra or above in middle school if the student starts their high school course at an advanced math level. Please consult the Colorado Commission of Higher Education ( CCHE) website at <http://higher.ed.colorado.gov/Academics/Admissions/> for details on college admissions requirements.

### **Algebra I** (year long course) (high school level course)

*Prerequisite:* Successful completion of Math 8 (Pre-Algebra)

This course follows Grade 8 Algebra 1 CAP documents, addresses the same content as the High School Algebra I course and contains some additional content from 8th grade. Grade 8 Algebra 1 logically builds from the Math 7/8 course. This Algebra 1 course includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; and translating word problems into equations. The content of this course deepens and extends understanding of linear and exponential

relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions to model and solve problems. To meet 21st century learning, students will use mathematical practices to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations.

### **Geometry** (year long course) (high school level course)

*Prerequisite:* Successful completion of Algebra I

This course is aligned to Grade 10 CAS (Colorado Academic Standards in Mathematics) and follows 10th grade CAP documents. The main goal of Geometry is for students to develop the structure of Euclidean geometry logically and apply the resulting theorems and formulas to address meaningful problems. In addition, students will deepen their understanding of all grade level content standards through meaningful geometric connections. An emphasis will be on using experimentation and inductive reasoning to construct geometric concepts, discover geometric relationships, and formulate conjectures. Deductive logic will be employed to construct formal logical arguments and proofs. Students will extend their pre-existing experiences with algebra and geometry to trigonometry and coordinate geometry. Dynamic geometry software, compass and straightedge, and other tools will be used to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will apply these mathematical skills and make meaningful connections to life's experiences.

### **Algebra II** (year long course) (high school level course)

*Prerequisite:* Successful completion of Algebra I and Geometry

This course is aligned to the CAS (Colorado Academic Standards in Mathematics) and follows the Grade 11 Algebra 2 district approved curriculum. Algebra 2 topics include operations with rational and irrational expressions, in-depth study of linear equations and inequalities, analyzing and solving quadratic functions including complex numbers, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. Students investigate and solve linear piecewise, absolute value, cubic, radical, exponential, logarithmic, and rational functions algebraically, numerically, and graphically, with and without a graphing calculator. Students analyze data and develop mathematical models to address real world problem situations. Please note: This course requires a graphing calculator.

## **Science:**

### **6th Grade Science** (year long course)

6th Grade Science courses include subject matter from several strands of science, including earth/space sciences, physical sciences, and life sciences, and are organized around conceptual units. Specific content depends upon Colorado Academic Standards for middle school.

#### **7th Grade Science** (year long course)

7th Grade Science courses include subject matter from several strands of science, including earth/space sciences, physical sciences, and life sciences, and are organized around conceptual units. Specific content depends upon Colorado Academic Standards for middle school.

#### **8th Grade Science** (year long course)

8th Grade Science courses include subject matter from several strands of science, including earth/space sciences, physical sciences, and life sciences, and are organized around conceptual units. Specific content depends upon Colorado Academic Standards for middle school.

## **Social Studies:**

#### **Social Studies 6: World Area Studies; Western Hemisphere** (year long course)

World Area Studies: Western Hemisphere examines the history, politics, economics, and geography of countries in North, Central, and South America.

#### **Social Studies 7: World Area Studies; Eastern Hemisphere** (year long course)

The World Area Studies: Eastern Hemisphere semester examines the history, politics, economics, society, and/or culture of regions within the Eastern Hemisphere, such as Africa, the former Soviet Union, Far East, and the Middle East. This course may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the regions.

#### **Social Studies 8: Early U.S. History** (year long course)

The Early U.S. History course examines the history of the United States from the colonial period to the Civil War or Reconstruction era.

## **Electives Open to Grade 6:**

#### **6th Grade Physical Education** (semester course-fall only) **Required course-for grade 6 only**

Specific content covers state standards for Grade 6. This course involves the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique, teach the rules and conventions of games and sports; and explore the relationship between physical activity and health.

### **Creative Writing** (semester course)

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

### **Creative Writing 2** (semester course)

*Prerequisite:* Successful completion of Creative Writing

Creative Writing II will continue to help students develop and improve their technique and individual style in what was covered in Creative Writing. This may include poetry, short story, drama, essays, narrative, expository, persuasive and descriptive writing.

### **Video Game Design** (semester course-spring only)

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.



[Click here for informational video - Video Game Design Course Overview](#)

**Students must have a PC in order to take Video Game Design. Software for Mac is not available. A Chromebook or other tablet device will not have the capacity to run the required software for the course.**

### **Visual Arts Level 1** (semester course)

Art courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. The art making and application learning plan may include lessons that enable students to refine their technique, increase their artistic vocabulary, express themselves and their worldview, make connections to other content areas, develop their own aesthetic, and strengthen their critical abilities. Art course content conforms to Jeffco Visual Arts Curriculum as well as existing Colorado Visual Arts Academic Standards. Although Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

### **Web Page Design** (semester course-fall only)

Web Page Design courses teach students how to design websites 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 for database access, transfer methods, and networking fundamentals.



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**Students must have a Mac or PC in order to take Web Page Design. A Chromebook or other tablet device will not have the capacity to run the required software for the course.**

### **World Language Options:**

All World Language courses will be high school level courses. Middle school students may be integrated into the high school level courses with high school students if there are not enough middle school students signed up to have a middle school student section only.

**Per Jeffco district policy, no high school credit will be awarded to middle school students that complete a high school level World Language course (or any course).** Colleges and universities, however, will recognize that a student took the introductory level of a world language in middle school if the student starts their high school world language course at level II. Please consult CCHE's website at <http://higherred.colorado.gov/Academics/Admissions/> for details on admissions requirements.

Students must successfully complete semester 1 of any World Language to continue on to semester 2.

### **French 1** (year long course) (high school level course)

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. Students completing this course should reach a novice-low to novice-mid proficiency level.

### **German 1** (year long course) (high school level course)

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. German culture is introduced through the art, literature, customs, and history of the German-speaking people.

### **Spanish 1** (year long course) (high school level course)

Designed to introduce students to Spanish language and culture, Spanish 1 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. Students completing this course should reach a novice-low to novice-mid proficiency level. Completion of this course will credit students with one year of Spanish 1 (high school equivalent of Spanish 1)

## **Electives Open to Grades 7-8:**

### **Career Exploration** (semester course-fall only)

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. These 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.

### **Creative Writing** (semester course)

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

### **Creative Writing 2** (semester course)

*Prerequisite:* Successful completion of Creative Writing

Creative Writing II will continue to help students develop and improve their technique and individual style in what was covered in Creative Writing. This may include poetry, short story, drama, essays, narrative, expository, persuasive and descriptive writing.

### **Lifetime Fitness Education** (semester course)

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 carry out a personalized fitness plan. Appropriate workout gear (clothing and shoes) will be needed. **A camera phone or digital camera is required to take this course.**

### **Music** (semester course)

This course will explore the different musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music courses may also focus on developing an understanding of a particular style or period of music. Students who take this course will acquire a foundation for continued music appreciation and learning in areas of personal interest. This course focuses on music from a global perspective and will help students develop a greater respect for the music of other cultures. As a result of this class, students will improve their ability to listen to music intelligently. It will cultivate an awareness and knowledge of musical traditions from around the world. This class will also deepen a student's understanding of the historical, social, political, and economic contexts within which music is created and used.

### **Video Game Design** (semester course-spring only)

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.



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Art courses provide to students activities that foster creative expression, communication through artistic endeavor, and appreciation of culture and heritage. The art making and application learning plan may include lessons that enable students to refine their technique, increase their artistic vocabulary, express themselves and their worldview, make connections to other content

areas, develop their own aesthetic, and strengthen their critical abilities. Art course content conforms to Jeffco Visual Arts Curriculum as well as existing Colorado Visual Arts Academic Standards for grades 7 and 8. Although Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

### **Web Page Design** (semester course-fall only)

Web Page Design courses teach students how to design websites 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 for database access, transfer methods, and networking fundamentals.



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### **World Language Options:**

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**Per Jeffco district policy, no high school credit will be awarded to middle school students that complete a high school level World Language course (or any course).** Colleges and universities, however, will recognize that a student took the introductory level of a world language in middle school if the student starts their high school world language course at level II. Please consult CCHE's website at <http://higherred.colorado.gov/Academics/Admissions/> for details on the admissions requirements.

Students must successfully complete semester 1 of any World Language to continue on to semester 2.

### **French 1** (year long course) (high school level course)

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. Students completing this course should reach a novice-low to novice-mid proficiency level.

**French 2** (year long course) (high school level course)

*Prerequisite:* Successful completion of French 1

French 2 courses build upon skills developed in French 1, extending students' ability to understand and express themselves in French 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 French-speaking people to deepen their understanding of the culture(s). Students completing this course should reach a novice-mid to novice-high proficiency level.

**German 1** (year long course)(high school level course)

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. German culture is introduced through the art, literature, customs, and history of the German-speaking people.

**German 2** (year long course)(high school level course)

*Prerequisite:* Successful completion of German I

German 2 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).

**Spanish 1** (year long course) (high school level course)

Designed to introduce students to Spanish language and culture, Spanish 1 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. Students completing this course should reach a novice-low to novice-mid proficiency level. Completion of this course will credit students with one year of Spanish 1 (high school equivalent of Spanish 1)

**Spanish 2** (year long course) (high school level course)

*Prerequisite:* Successful completion of Spanish 1

Spanish 2 courses build upon skills developed in Spanish 1, 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). Students completing this course should reach a novice-mid to novice-high proficiency level.

## High School Courses

English/Language Arts		
Course Title	Course Description	Please Note
<b>English/Language Arts 9*</b> 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.	
<b>English/Language Arts 10*</b> 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.	
<b>English/Language Arts 11*</b> 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	

	<p>apply to compositions that utilize research and rhetoric. Students read nonfiction and literary 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><b>English/Language Arts 12*</b> 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><b>English/Lang Arts Honors*</b> <b>ENG 121: English Composition I</b> 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 <b>not</b> take this course.</p>

<p><b>English/Lang Arts Honors*</b>  <b>ENG 122: English Composition II</b>  semester-course-<u>spring only</u>  Grades 9, 10, 11, 12  NCAA approved course</p> <p><i>Prerequisite:</i>  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><b>Journalism</b>  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 <b>elective credit only</b> 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><b>Algebra I*</b>  year long course  Grades 9, 10  NCAA approved course</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,</p>	

<p><u>Prerequisite</u>: Successful completion of Math 8 or Pre-Algebra</p>	<p>Modeling with Linear Functions, Introduction to Exponential Functions, Quadratic Functions and Polynomial Operations, Descriptive Statistics, Analyzing Functions, Algebraic Reasoning with Geometric Concepts.</p>	
<p><b>Geometry*</b> year long course Grades 9, 10 NCAA approved course</p> <p><u>Prerequisite</u>: 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><b>Algebra Intermediate</b> year long course Grades 11, 12</p> <p><u>Prerequisite</u>: 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><b>Algebra II*</b> year long course Grades 10, 11, 12 NCAA approved course</p> <p><u>Prerequisite</u>: 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,</p>	<p>This course requires a graphing calculator.</p>

	Exponential/Logarithmic Functions, Trigonometric Functions, Probability/Statistics, and Rational Functions.	
<p><b>Pre-Calculus/Trig*</b> 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><b>Pre-Calc/Trig Honors*</b> <b>MAT 121: College Algebra</b> 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 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><b>Pre-Calc/Trig Honors*</b> <b>MAT 122: College Trigonometry</b> semester course-<u>spring only</u> Grades 9, 10, 11, 12</p>	<p>The course explores trigonometric functions, their graphs, inverse functions and identities. Topics will include: trigonometric equations, solutions of triangles, trigonometric form of</p>	<p>Concurrent Enrollment Course with Red Rocks Community College.</p>

<p>NCAA approved course</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>complex numbers, and polar coordinates. This course provides essential skills for STEM pathways.</p> <p>Tests must be taken in person at a designated location.</p>	<p>Guaranteed transfer college credit through RRCC for 4.0 credits of MAT 122: College Trigonometry.</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><b>AP Calculus AB*</b>  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><b>AP Calculus BC*</b>  year long course  Grades 11, 12  NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of Honors Pre-Calculus/Trig, Honors Trig/Calculus A, or Math Analysis Honors.</p> <p><i>Fees:</i>  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>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><b>Calculus II*</b>  semester course  Grades 11, 12  NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of AP Calculus AB.</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>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</p>

		Higher if a C or higher is earned.
<p><b>Multivariate Calculus Honors* (Calc III)</b> semester course Grades 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of AP Calculus AB and Calculus II, or AP Calculus BC.</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>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><b>Differential Calculus Honors* (Calc IV)</b> semester course Grades 11, 12 NCAA approved course</p> <p><u>Prerequisite:</u> Successful completion of Multivariate Calculus Honors.</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>Differential Equations and Linear Algebra (2nd Edition)</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</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</p>

<p>Farlow   Hill   McDill   West  ISBN-10: 0131860615 ; ISBN-13:  978-0131860612  © 2007   Published</p>	<p>and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.</p>	<p>transcript for .5 Math-Geometry and Higher if a C or higher is earned.</p>
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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
<p><b>Event Training</b>  semester course-<u>spring only</u>  Grades 9, 10, 11, 12</p>	<p>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.</p>	<p>A camera phone or digital camera is required to take this course.</p>
<p><b>Health Education</b>  semester course  Grades 9, 10, 11, 12</p>	<p>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.</p>	
<p><b>Lifetime Fitness</b>  semester course  Grades 9, 10, 11, 12</p>	<p>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</p>	<p>A camera phone or digital camera is required to take this course.</p>

	regular physical activity, as well as create and carry out a personalized fitness plan	
<b>Recreation/Sports</b> 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)	Chemistry (year) or Physics (year) or

			<b>Additional electives:</b> Astronomy (semester) Forensic Science (semester) Marine Biology (semester)	<b>Additional electives:</b> Astronomy (semester) Forensic Science (semester) Marine Biology (semester)
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Course Title	Course Description	Please Note
<b>Biology*</b> year long course Grades 9, 10 NCAA approved course	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.	
<b>Earth Science*</b> year long course Grades 9, 10 NCAA approved course	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.	
<b>Chemistry*</b> year long course Grades 11, 12 NCAA approved course  <i>Prerequisite:</i> Successful completion of Algebra I, Earth Science and Biology.	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.	
<b>Physics*</b> year long course Grades 11, 12 NCAA approved course	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	

<p><i>Prerequisite:</i> Successful completion of Algebra I, Earth Science and Biology.</p>	<p>study of physics includes examination of sound, light, and magnetic and electric phenomena.</p>	
<p><b>AP Environmental Science*</b>  year long course  Grades 10, 11, 12  NCAA approved course</p> <p><i>Prerequisite:</i>  Successful completion of Earth Science or Biology and Algebra I. 10th graders need teacher approval before entering course.</p> <p><i>Fees:</i>  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><b>Astronomy*</b>  semester course-<u>spring 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>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><b>Forensic Science*</b>  semester course  Grades 10, 11, 12  NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of</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.</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>Earth Science or Biology, and concurrently enrolled in the one not taken as a 9th grader if you are 10th grader.</p>	<p>Students will learn about specific techniques used in forensics encompassing the fields of 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><b>Marine Biology*</b> 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; background-color: #6b344a; color: white; padding: 5px;">Social Studies</h2>		
Course Title	Course Description	Please Note
<p><b>World Geography*</b> 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><b>U.S. Govt Comprehensive*</b> 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</p>	

	responsibilities, the role of political parties and interest groups, and the importance of civic 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.	
<b>Modern U.S. History*</b> year long course Grade 10, 11 NCAA approved course	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.	
<b>World History Overview*</b> year long course Grade 10, 11 NCAA approved course	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.	
<b>Economics*</b> semester course Grade 12 NCAA approved course	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.	
<b>Anthropology*</b> semester course- <u>spring only</u> Grade 9, 10, 11, 12 NCAA approved course	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.	This course is <b>elective credit only</b> and does not satisfy the Social Studies graduation requirements.

<p><b>Philosophy*</b> semester course-<u>fall only</u> Grade 9, 10, 11, 12 NCAA approved course</p>	<p>Philosophy introduces students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.</p>	<p>This course is <b>elective credit only</b> and does not satisfy the Social Studies graduation requirements..</p>
<p><b>Psychology*</b> 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 <b>elective credit only</b> and does not satisfy the Social Studies graduation requirements.</p>
<p><b>Particular Topics in Psychology (Psychology II)*</b> 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 <b>elective credit only</b> and does not satisfy the Social Studies graduation requirements.</p>
<p><b>Psychology 101*</b> 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>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</p>

<p><u>Fees:</u> 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>credit if a C or higher is earned.</p> <p>This course is <b>elective credit only</b> and does not satisfy the Social Studies graduation requirements.</p>
<p><b>Sociology*</b> 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 <b>elective credit only</b> 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><b>French I*</b> 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><b>French II*</b> year long course Grade 9, 10, 11, 12</p>	<p>French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French</p>	

<p>NCAA approved course</p> <p><i>Prerequisite:</i> Successful completion of French I</p>	<p>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 French-speaking people to deepen their understanding of the culture(s).</p>	
<p><b>French III*</b> year long course Grade 9, 10, 11, 12 NCAA approved course</p> <p><i>Prerequisite:</i> 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><b>German I*</b> 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><b>German II*</b> Grades 9, 10, 11, 12 year long course NCAA approved course</p> <p><i>Prerequisite:</i> 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).</p>	

	<p>German culture is introduced through the art, literature, customs, and history of the German-speaking people.</p>	
<p><b>Spanish I*</b> 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><b>Spanish II*</b> 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><b>Spanish III*</b> 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><b>Spanish IV*</b> year long course Grade 9, 10, 11, 12 NCAA approved course</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</p>	

<p><i>Prerequisite:</i> Successful completion of Spanish III</p>	<p>sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand 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.</p>	
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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
<p><b>Computer Graphics- Production Design</b> semester course-<u>fall only</u> Grade 9, 10, 11, 12</p>	<p>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. <a href="#">Click here for informational video – Computer Graphics - Production Design Course Overview</a></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><b>Creative Art: Comprehensive</b> semester course-<u>spring only</u> Grade 9, 10, 11, 12</p>	<p>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.</p>	

<p><b>Digital Photography</b> semester course-<u>fall only</u> Grade 9, 10, 11, 12</p>	<p>Digital Photography will introduce students to the use of digital cameras and digital image-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>Students must have access to a computer with a minimum of 512MB of RAM and a contemporary operating system as well as a digital camera with manual capabilities.</p>
<p><b>Film/Video</b> 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. <a href="#">Click here for informational video - Film/Video Course Overview</a></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><b>Web Page Design I</b> 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</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>relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals.</p> <p><a href="#">Click here for informational video - Web Page Design Course Overview</a></p>	
<p><b>Web Page Design II</b> 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><a href="#">Click here for informational video - Web Page Design II Course Overview</a></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><b>Computer Programming</b> 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><a href="#">Click here for informational video - Computer Programming Course Overview</a></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><b>Career Exploration</b> 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</p>	

	options and may also assist them in developing job search and employability skills.	
<b>Child Development/Parenting</b> semester course Grade 9, 10, 11, 12	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.	
<b>Life Management</b> semester course Grade 9, 10, 11, 12	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.	
<b>Culinary Nutrition (Formerly called Intro to Foods/Nutrition)</b> semester course Grade 9, 10, 11, 12	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.	
<b>Composition/Songwriting</b> semester course Grade 9, 10, 11, 12	The Songwriting course prepares students to express themselves through creating music and is an introduction to basic songwriting. This	Modifications will be provided for students regardless of their

	course will use conventional and non-conventional notation and will include lyric and melody writing. Students will use online 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.	musical skill or knowledge so that all have a successful experience.
<b>Music History</b> 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.	
<b>Music Theory</b> 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
<b>Video Game Design</b> 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,	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>program control and flow features, iterative statements, and incorporating files and graphics into software.</p> <p><a href="#">Click here for informational video – Video Game Design Course Overview</a></p>	
<p><b>Workplace Experience</b> 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>