

# ***Center School District***



## ***2011-12 High School Course Descriptions***

*for the classes of*  
**2012 • 2013 • 2014 • 2015**

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# Center School District

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## OUR MISSION

*The Center Schools Community seeks to develop independent, self-directed, self-motivated, adventurous, risk-taking, experiential learners armed with the skills necessary to meet the challenges they will face in the 21<sup>st</sup> Century.*

### **We will do this by...**

- ◆ Keeping students performing at or above grade level so their continued success in school can expand their value for education.
  - ◆ Providing appropriate data based instruction, intervention and assistance to keep students performing at or above grade level.
  - ◆ Designing and delivering curriculum in a purposeful manner to where students will be able to make connections regarding their need for knowledge to how it will actually benefit them in the real world.
  - ◆ Leading by example and having staff members model that they are willing to grow and change as doing so becomes necessary.
  - ◆ Encouraging academic risk taking behavior in the realm of learning and rewarding students for hard work and “thinking outside of the box.”
  - ◆ Helping students overcome their fear of failure by helping them to identify their strengths and by supporting them in their learning and improvement efforts at skills at which they currently do not excel.
  - ◆ Giving our students the opportunity to discover what it is they are good at and what it is they enjoy doing.
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# Graduation Requirements

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The academic program at Center High School has been developed in an effort to meet the future needs and interests of students.

**The required credits for the class of 2012, 2013, 2014 and 2015 will be as follows:**

## **Graduation Credit Requirements**

Language Arts/English	4
Mathematics	4
Science	3
History	3
Foreign Language	1*
Health**	1
Computer/Technology	1
Physical Education	2
Senior Seminar	.5
<u>Electives</u>	<u>6.5</u>
<b>Total</b>	<b>26</b>

***\*It is recommended by higher education that all students take at least one year of a foreign language. However, students in the classes of 2011, 2012 and 2013, may opt not to take a foreign language. If the student chooses not to take a foreign language the student will receive a Standard High School Diploma.***

Any concurrent college class or other board approved course can be used as an acceptable elective.

Students enrolled in college courses for both college and high school credit need to choose how they want the high school grade recorded for their transcripts before beginning the course study. The choices are Pass/Fail (which does not affect a student's GPA) or the grade earned. If a course is offered at the high school, the student, not the school district, will pay to take it at the college level if they choose to do so.

All seniors are required to participate in and pass the Senior Seminar class in order to graduate (Pg. 22)

\*\*Class of 2012 & 13 may have 1/2 Driver's Ed 1/2 Health credits.

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## Questions about courses of study in high school

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### What is the general high school curriculum?

This course of study requires a minimum of 26 credits to graduate. This is recommended for students interested in attending a four-year college. A caution is that some combinations in math could lead to a student being in need of remedial math at college or a student beginning in the community colleges.

### What is the honors academic curriculum?

This is a pre-collegiate curriculum that combines Honors, Advanced Placement or College @ High School courses in English, Mathematics, Social Studies and Science and a high GPA. Studies have shown that students who complete a rigorous course of study in high school are better prepared to take college-level courses and are more successful academically. This course of study will more likely allow a student acceptance into the four-year college or university of the student's choice both in state and out as well as more opportunity for scholarships.

### What Colleges or Universities will expect me to complete a pre-collegiate curriculum to qualify for admission?

- Adams State College
- Colorado School of Mines
- Colorado State University (Fort Collins & Pueblo)
- Fort Lewis College
- Mesa State College
- Denver Metro
- University of Colorado @ Boulder, Colorado Springs & Denver
- University of Northern Colorado
- Western State

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## Course Request Form

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Student Name: \_\_\_\_\_

Grade: \_\_\_\_\_ Diploma Course of Study: \_\_\_\_\_

### Courses Selected:

1. (Core Math) \_\_\_\_\_

2. (Core L.A.) \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. (Alternate) \_\_\_\_\_

9. (Alternate) \_\_\_\_\_

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

### Parents:

***If you would like to meet with the counselor to discuss the course selection or the schedule, please contact the school at 754-2232 to make an appointment to discuss it.***

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## Course Request Directions

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Each student will need to select their courses each year with the graduation requirements and their educational and career goals in mind.

Please fill out the course request form on the next page.

Schedules will be finalized in the spring/early summer and mailed to students prior to the next school year.

The district will make every effort to get students in the classes of their choice. If there are scheduling conflicts, they will be handled by grade priority during the two weeks before school begins.

***Parents or guardians are required to sign that they have approved of the student's course of study and course selections.***

**DO NOT DETACH** this form from the book.

The counselor will do so when you return it with a parent's or guardian's signature.

**Please Note:**

***Students who met the deadline will have priority in class selection.***

**\*\*\*The last day to return your *Course Request Form* is Friday, April 1, 2011.**

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## Questions about courses of study in high school

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### **What other options do I have?**

There are three other possibilities:

**#1:** You may qualify for admission to a Colorado four-year institution even if you have not completed the precollegiate curriculum. Some institutions may make an exception and admit a small percentage of student based on criteria other than the student classes and the Colorado Commission on Higher Education (CCHE) freshman index.

**#2:** You may enroll in a community college, like Trinidad State Junior College, and after completing a college-level course in each of the four academic areas (English, math, science and social science), apply for admission to a four-year public institution as a transfer student.

**#3:** CCHE will identify assessment options, which may be substituted for specific courses of the pre-collegiate curriculum once they are adopted by the Commission.

Students applying to one of Colorado's 15 community colleges, like Trinidad State Junior College, do not have to meet CCHE's pre-collegiate admissions standards associated with a four-year college.

**Because of these requirements, seniors will be required to carry a full schedule (electives if necessary). They can be involved in one or more of the following courses or activities to meet this requirement:**

- Attend college courses off campus
- Participate in a School to Career/Work Study course
- Request to be an Office Aid or Teacher's Aid
- Become involved in Peer Connections or Elementary Aid

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## Standard Academic High School Diploma\*

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Students receive an academic diploma to support college applications. If a student desires to pursue this course and better ensure entrance to a four-year college, he/she will need to be sure to have taken two foreign language credits and two academic elective credits to allow this.

*Note: If a student plans to go through the NCAA Clearinghouse, he/she should consider English, Math History, Science and Foreign Language for the other two academic electives.*

### Standard Academic High School Diploma\*

26 credits:

- 4 English
- 4 Math
- 3 Social Studies
- 3 Science
- 1 Foreign Language
- 1 Health
- 1 Computer/Technology
- 2 Physical Education
- .5 Senior Seminar
- 2 Academic Electives  
(Art/Music/Computers)
- 4.5 Other Electives

**Total: 26 Credits**

*\*Classes of 2012 & 2013 will receive the Standard High School Diploma as described in previous Course Book.*

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## Driver's Education Update

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***Center Schools will continue to offer Driver's Ed as an elective as long as budget, schedule and available instructor permits.***

*Below is a summary of laws (February 2009) regarding students applying for and receiving driving permits.*

### **At 15 years to 15 years 6 months - You can receive your Driver's Education Permit if you have:**

- Successfully completed an approved Classroom Driver's Ed Course of 30 hours or more including Behind the Wheel Training. If you do not participate in Behind the Wheel Training, you must log in 62 hours of supervised driving on your permit instead of 50 hours (with 10 hours at night).
- A completed Affidavit of Liability and Guardianship [Adult(s) who will be supervising you while you drive on your permit].
- **You have to hold the permit for a minimum of 12 months before applying for a Minor's Driver's License.**
- To do this, you must have a completed Affidavit of Completion of a Driver Education Classroom Course and/or BTW indicating you have completed and passed the classroom portion of a state-approved driver education course within 6 months of applying for your instruction permit. Students who are under 15 can now enroll in Driver's Ed within 6 months of turning 15 but cannot receive their permit or Behind the Wheel training until they are 15 years.

### **At 15 years 6 months to 16 years – You can receive your Driver's Awareness Permit if you have:**

- A completed Affidavit of Liability and Guardianship [Adult(s) who will be supervising you while you drive on your permit].
- You must provide documentation of completion verifying of a 4-hour Driver Awareness Program or a 30 hour classroom or internet study course within 6 months of applying for your permit.
- **You still have to hold the permit for a minimum of 12 months before applying for a Minor's Driver's License.**

### **At 16 years – You can receive your Minor Instruction Permit if you have:**

- A completed Affidavit of Liability and Guardianship. [Adult(s) who will be supervising you while you drive on your permit].
- Documentation of any type of Driver's Education is not necessary but you still have to hold the permit for a minimum of 12 months and log 50 hours of supervised driving before applying for a Minor's Driver's License.
- **You still have to hold the permit for a minimum of 12 months before applying for a Minor's Driver's License.**

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## Social Promotion/Transfer Credits

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### **January Grade Level Changes:**

Seniors are the only students who may change grade levels in January, IF they demonstrate they are on track to graduate in May of the current academic year. Other students will remain in the grade level in which they began the year.

Academic credits required for graduation will be re-evaluated in May after all Academic Recovery Credits have been posted. Seniors who do not meet graduation requirements shall be retained.

### **Social Promotion:**

Credits needed for Classification at Semester for Social Promotion: Students may be promoted socially in January if they meet the minimum credit classification requirements. A social promotion would be given for attending and participating in activities such as Winter Fest, Prom and similar events. A student may opt to remain, socially, with the class he/she started with in September. Students would remain in their current grade level and test (CSAP or ACT) with the grade in which they were in the fall of that academic year.

### **Credits for Classification at Semester for Social Promotion:**

Sophomores: 6 credits  
Juniors: 13 credits  
Seniors: 19.5 credits

### **Transfer Credit Policy:**

In the cases of students entering Center High School from a school with fewer than seven periods, students will be allowed to receive quarter credits for the classes completed at Center High School.

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## Standard Academic High School Diploma

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### **Standard Academic Diploma**

*This is recommended for students interested in attending a four-year college. A caution is that some combinations in math could lead to a student being in need of remedial math at college or a student beginning in the community colleges.*

### **One Possible Sample of Core Courses of Study:**

#### 9th Grade:

Language Arts I  
Math 9  
Earth Science (Lab)  
World History/Geography

#### 10th Grade:

Language Arts II  
Math 10  
Science (Lab) [Biology Recommendation]  
Spanish I

#### 11th Grade:

Language Arts III  
Algebra II—or above  
Other Science  
U. S. History

#### 12th Grade:

Language Arts IV  
PreCalculus—or above  
Government/Civics  
Senior Seminar

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## Honors Diploma

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This course of study will more likely allow a student the courses necessary to be considered for acceptance into the four-year college or university of the student's choice both in state and out.

### Honors Diploma

- 4 Language Arts (Honors Level or higher all 4 years)
- 4 Math (Includes Calculus or College Level Math)
- 4 Social Studies - Includes at least one \*AP/Honors/College course
- 4 Science - Includes Physics or at least one \*AP/Honors/College course
- 2 Foreign Language
- 1 Health
- 1 Computer/Technology
- 2 Physical Education
- .5 Senior Seminar
- 2 Academic Electives  
(Art/Music/Computer/Other Academic Electives)
- 3.5 Other Electives

**Total Credits: 28**

***Students in this course of study must take at least one AP, Honors or College Course in each core area to receive this diploma. Students cannot complete this diploma without successfully completing at least one AP or college level course in a content area of their choice.***

*Classes listed as College @ High School offer college credit if a student enrolls for concurrent credit with Adams State College. Other college correspondences classes may be approved for concurrent credit, see counselor for options.*

**\*Students taking honors courses need to have approval from their parents, the principal and the counselor.**

**\*Students taking AP courses are required to take the AP exams**

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## Career & Tech Ed Courses

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### Construction Trades:

**Construction Technology II** (double period: lab & on-site)

(pathway - 2 credit course for double period)

*Prerequisite: Foundations & Construction Technology I*

Articulate with:

CAR 156: Shop Tools: stationary, hand, portable - 4 credits

CAR 121: Floor Framing - 1 credit

CAR 122: Wall Framing - 1 credit

CAR 123: Roof Framing - 1 credit

This covers the applied use of shop tools and framing techniques. Students are expected to demonstrate the safe use and care of stationary, hand, and portable tools and use their application techniques by passing competency and safety test for each tool. Students will also learn framing basics as well as the procedures for laying-out and constructing a wood floor using common lumber as well as engineered building materials. Students will also learn the procedures for laying-out and framing walls and ceilings, including roughing-in door and window openings, construction corners and partition Ts, bracing walls and ceilings, and applying sheathing. In roof framing they will learn and construct various kinds of roofs.

**Cosmetology** (1 credit)

*These courses will be articulated with TSJC and taught by a TSJC instructor on-site. First semester is two introductory courses and second semester are intermediate level. They are articulated with:*

EST 110: Intro to Facials and Skin Care (3 credits)

NAT 110: Intro to Manicures/Pedicures (3 credits)

EST 111: Intermediate Facials and Skin Care (2 credits)

NAT 111: Intermediate Manicures/Pedicures (3 credits)

COS 250: Management, Ethics, Interpersonal Skills and Salesmanship (1)

This course provides a basic understanding of massage manipulations when providing facials and the study of skin in both theory and practical applications. This course also provides a basic introduction to the proper use of implements used in manicures and pedicures. Theory and practical application of proper set-up, safety, sanitation, nail shapes, anatomy, product knowledge and terminology dealing with manicures and pedicures is covered.

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## Career & Tech Ed Courses

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### **Multimedia Graphic Arts Design - Continued** **Web Design I**

*Prerequisite: Graphic Arts Design*

(Articulated with MGD 141 Web Design 1-3 credits)

This course introduces web site planning, design and creation using industry-standards-based web site development tools. Screen-based color theory, web aesthetics, use of graphics editors and intuitive interface design are explored.

### **Web Motion Graphic Design**

*Prerequisite: Web Design I*

(Articulated with MGD 143 Web Motion Graphic Design 1-3 credits)

This course encompasses all of the major aspects of creating 3D characters using animation software. Using developed characters, the student will learn how to animate for personality.

### **Construction Trades:**

#### **Foundations in Construction** (pathway entry - 1 credit)

Articulated with:

CAR 101: Basic Safety - 1 credit

CAR 102: Hand & Power Tools - 1 credit

CAR 105: Job Site Layout & Blueprint Reading - 1 credit

This course provides a basic introduction to basic construction concepts and safety and the use of hand tools and blue-print reading as it applies to construction sites. It focuses on basic hand and power tools including stationary tools. It also provides an overview of safety concerns and procedures in the construction field.

#### **Construction Technology I** (pathway entry—1 credit)

*Prerequisite: Foundations in Construction*

Articulate with:

CAR 115: Form & Foundation Systems - 1 credit

CAR 120: General Construction Framing - 1 credit

CAR 125: Roofing Materials & Methods - 1 credit

In this course students will follow construction projects from design through constructions while working with various materials and methods. These include concrete forms and foundations including various reinforcement methods, basic framing methods and materials utilizing a hands-on framing lab covering basics of floor, wall and roof framing.

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## Honors Diploma

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### **Honors Academic Diploma**

*This course of study is for college bound students interested in academically challenging courses to help assure entrance to a four-year college or university.*

#### **Honors Courses:**

**Math:** AP, College, & Calculus

**Language:** Honors Language Arts, AP & College,

**SS:** AP, College, Economics, & Honors Government

**Science:** AP, College, Physics & Anatomy

#### **One Possible Sample of Core Courses of Study:**

##### 9th Grade:

Honors English 9/10

Math 10-or acceleration as per individual student  
(or Algebra I in 8th grade and higher after that)

Earth Science (Lab)

World History/Geometry

##### 10th Grade:

Honors English 9/10

Precalculus-or acceleration as per individual student  
Science (Lab): Biology Recommended—depending on  
career interest

U.S. History or Economics

Spanish I

##### 11th Grade:

Honors English 11/12

Calculus-or acceleration as per individual student

Other Science: depending on career interest

U.S. History or Economics

Spanish II

##### 12th Grade:

Honors English 11/12 or Communication 101

AP/College Math acceleration as per individual student

Physics/AP Physics/AP Science

AP or Honors Government/Civics

Senior Seminar

*\*See listing of acceptable College Correspondence Courses on pages 23-24 for possible additions/options to meet Math, English, Science and Social Studies requirements.*

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## Language Arts - ESL

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### English as a Second Language

**\*Please note:**

Colleges and universities do not accept any ESL classes for a language credit when reviewing transcripts for enrollment. If an ESL student is considering higher education, he/she will still have to meet the 4 credit Language Arts requirement beyond ESL credits.

#### **ESL I & ESL 1 Lab**

*This course is for Non-English Proficient (NEP) students. Placement in it is based on language test scores, and other student information. This course is two periods and addresses the individual needs of students beginning to learn English.*

This course is designed for students entering Center Schools with little to no English-speaking skills. ESL will address newcomer language issues and the beginning-level English skills: reading, writing, listening and speaking.

#### **ESL 2**

*This course is for Limited English Proficient (LEP) students.*

*Placement in it is based on language test scores, student data and teacher recommendations.*

This course is designed for students who have a basic understanding of vocabulary dealing with everyday life in school. Students continue to build vocabulary and speak and write in more complex structures. Students focus on academic skills as they build English skills.

#### **Transitional Language Arts**

*This course is for Limited English Proficient (LEP) students.*

*Placement in it is based on language test scores and teacher recommendations. Students are generally enrolled in this course for up to three semesters.*

This course is designed for students who are transitioning to English Proficiency. Students focus on increasing Fluent English Proficiency in reading, writing, listening and speaking.

#### **Other Language Courses:**

##### **Reading Lab**

This course is designed to help meet the needs of students who are not performing at grade level in Reading and Writing Skills. Students and parents will be notified individually if they are eligible for this course.

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## Career & Tech Ed Courses

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### Multimedia Graphic Arts Design

#### **Graphic Arts Design (Pathway Entry)**

(Articulated with MGD 101 Intro to Computer Graphics– 3 credits)

(Articulated with MGD 111 Adobe Photoshop 1)

Students will learn the hardware and software components for graphic art in multimedia production. Each student will explore basic computer operations, ergonomics, file management, scanning techniques, archiving capabilities, and internet. Students will also cover the concepts and applications Adobe Photoshop and introducing other software. Through Adobe Photoshop, students will concentrate on the high-end capabilities of a raster photo-editing software as an illustration, design and photo retouching tool.

#### **Concepts in Graphic Design for Publishing and Marketing**

(Articulated with MGD 133 Graphic Design 1– 3 credits)

(Articulated with MGD 112 Adobe Illustrator - 3 credits)

Students will explore creating publications and projects for marketing through project-based study of design layout and conceptual elements concerning graphic design projects such as posters, advertisements, logos, and brochures. Students will use Adobe Illustrator to learn to create digital artwork that can be used in web design, print media and digital screen design. Students will learn the components of putting together a published product from concept to concrete.

#### **Video Production & Editing (Pathway Entry)**

(Articulated with FVT 105 Video Production 1 – 3 credits)

(Articulated with FVT 160 Video Post Production 1 – 3 credits)

Students will learn all aspects of video production from camera operation and video editing to interviewing practice, performance and idea development. Students will also work with the tools to produce and edit video using various digital editing software. Students will edit using nonlinear and multi-layer editing, provide title & caption creation and practice all aspects of digital film production.

#### **Multimedia Graphic Arts Design Independent Studies**

This course is open to students who have completed **all** of the courses in the sequence in their pathway. The course content will be developed with the student and teacher to best meet individual student needs.

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## Career & Tech Ed Program Certificates

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### **Career & Tech Ed Pathways**

Students interested in other Career and Tech Education classes that are not offered on site need to meet with the school counselor to discuss possible options of beginning their career courses of study early by taking classes at Trinidad State Junior College during their junior and/or senior years for concurrent enrollment.

If a student has successfully completed the Computer Applications credit in middle school, they may enroll in the entry classes in Multimedia. Graphic Arts, Video Production and either Web Design courses would satisfy the computer course graduation credit requirement.

### **Multimedia Technology Pathway**

Graphic Arts Design (Pathway entry)  
Concepts in Graphic Design for Publishing & Marketing  
Video Production & Editing  
Web Design I  
Web Motion Graphic Design

### **Construction Pathway**

Foundations in Construction (*Entry Pathway-required to enter*)  
Construction Trades I  
Construction Trades II (double period)

### **Cosmetology Pathway**

(Foundational Classes offered on-site through TSJC)  
Possible Classes to begin the Cosmetology Pathway:  
Intro to Facials and Skin Care  
Intro to Manicures and Pedicures

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## Language Arts

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Of the 4 English graduation requirements, most students take the series of Language Arts I-IV. An ESL student may apply one credit of ESL II: Transitional Language Arts towards this requirement.

### **Language Arts I 9th grade students**

This course integrates all the processes (reading, writing, listening, speaking and viewing) and the contents of language and literature. While studying various fiction and nonfiction authors, poetry and Shakespeare, the students focus on common tasks of the reading process and also develop other language skills. Instruction in reading and writing strategies, grammar, and vocabulary is integrated into each unit.

### **Language Arts II 10th grade students**

This course integrates all the processes (reading, writing, listening, speaking and viewing) and the contents of language and literature. While studying various fiction and nonfiction authors, poetry and Shakespeare, the students focus on common tasks of the reading process and also develop other language skills. Instruction in reading and writing strategies, grammar, and vocabulary is integrated into each unit.

### **Language Arts III 11th grade students**

This course rotates through two years. This course integrates all the processes (reading, writing, listening, speaking and viewing) and the contents of language and literature. While studying a variety of authors and literary genres, speech, drama and research, the students focus on common tasks of the reading process and also develop other language skills. Instruction in reading and writing strategies, grammar, and vocabulary is integrated into each unit.

### **Language Arts IV 12th grade students**

This course rotates through two years. It integrates all the processes (reading, writing, listening, speaking and viewing) and the contents of language and literature. While studying a variety of authors and literacy genres, speech drama and research, the students focus on common tasks of the reading process and also develop other language skills. Instruction in reading and writing strategies, grammar and vocabulary is integrated into each unit.

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## Language Arts

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*In order for a student to be considered for entry into these “Honors” and College@High School courses, specific requirements must be met. Please see counselor for these requirements.*

### **Honors Language Arts I** 9th grade students

This course integrates all the processes (reading, writing, listening, speaking and viewing) and the contents of language and literature. This course is for students interested in a challenging course of study.

### **Honors Language Arts II** 10th grade students

This course in advanced Language Arts is a rigorous course and successful completion of Honors Language Arts I is recommended. This course is designed for the motivated students who wish to challenge themselves by reading complex literature and writing in response to the literature.

### **Honors Language Arts III** 11th grade students

This course in advanced Language Arts is a rigorous course and assumes that the students already understand and can utilize English grammar. This course is designed for the motivated students who wish to read classical and contemporary complex texts with understanding and write with complexity to communicate effectively with mature readers.

### **Honors Language Arts IV** 12th grade students

This course in advanced Language Arts is a college prep course and focuses on advancing the literary skills of students in preparation for the requirements of college level reading, writing and communication.

### **English 101/ Communication Arts I - College@High School**

*11th and 12th grade students*

This is a college level course designed to provide students with the grammar and composition skills needed to advanced write effective expository essays. The course focuses on improving writing through voice, audience, techniques of invention and rhetorical strategies.

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## Career & Tech Ed Program Certificates

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### **Certification**

Center School District offers a variety of Career and Technology Education certifications. This allows students to take a variety of courses to sample different career possibilities or to take a prescribed series of vocational courses to be a Career and Technology Education Certified Graduate.

The first certificate that can be earned is a Pathway Completer. This certificate is provided upon completion of two credits in the same Pathway. If a student is interested in becoming a Career and Technology Education Certified Graduate in one of these areas, they must complete four credits in the same Career Pathway.

### **Student Leadership Organizations**

The state requires students who are involved in these pathway certificate programs of career studies to learn leadership skills. In order to meet this requirement, students who enter their second Career and Technology course of study are required to participate in the state organization that supports these courses. Since all of the Career and Technology pathways lead students to be involved in the business world or run their own businesses, the students in these programs must be in Skills USA.

### **Articulated Credit**

Career and Technology credits taken during high school are articulated with the Colorado Community College System (including Trinidad State Junior College). This means that the credits taken in these classes will transfer towards certificates or degrees offered at the community colleges that offer the same program of study. This is at no cost to the student.

**Note:** *Completing a Career and Technology Education certificate can be concurrent with completing the college bound academic courses.*

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## Other Electives

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### **Office Aid or Teacher Aid**

*Open to 11th - 12th grade*

*Prerequisite: Principal or Counselor approval*

In this course students will be trained in the skills related to these two positions. Students will be required to demonstrate the skills related to these two positions. Students will be assigned to appropriate office staff or teachers in grades K-12.

### **Library Student Assistant**

*Open to 11th - 12th grade*

*Prerequisite: Library Director Approval*

Library student assistants must be able to complete basic library tasks independently including: care and upkeep of library materials, archiving historical school activity records, general upkeep of periodicals and effective customer service. General office tasks are required, as well.

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## Language Arts

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### **English 102/Communication Arts II**

**Course description:** The emphasis of Communication Arts 102 is on source-based writing designed to develop critical reading, thinking, and writing. A series of written assignments, including a fully documented paper, and an oral presentation are required. This course is designed to refine writing, thinking, and speaking skills that will carry over into any discipline the student may choose to follow.

### **AP English**

Available through the Colorado On-line Consortium.

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## Mathematics

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***Upon successful completion of Math 9 and Math 10, students will generally enroll in Pre-Calculus but taking Algebra II/Trigonometry is also an option to provide additional math foundation skills for students. A student's math sequence will be based on student performance in the sequence with input from the teachers, parents, school and the post-secondary plan of the student.***

### **Math 9 (Geometry/Algebra Combination)**

This course is the first of a math sequence which integrates algebra and functions, and geometry. Students will focus on geometric figures, and their properties, data explorations, graphical analysis, operations with algebraic expressions and solving and graphing linear equations.

### **Math 10 (Advanced Geometry/Algebra Combination)**

This course is the second in the math sequence which continues to integrate algebra and functions and geometry. The second year focus is on basic trigonometry, graphing linear equations, measurement in geometry, quadratic equations and statistics.

### **Algebra II/Trigonometry**

Algebra II is the study of the complex number system, symbolic manipulation and functions. Students discuss, represent and solve increasingly sophisticated real-world problems using advanced algebraic and data analysis techniques. The topics in this class will include a further look into number sense, data and statistics, geometry, trigonometry, probability, polynomials, equations and graphing equations. The trigonometry focuses on nonlinear functions, right triangle properties, and trigonometric functions.

### **Pre-Calculus**

Pre-calculus blends together all the concepts and skills that must be mastered before enrolling in a college level calculus course. This course integrates all the concepts of trigonometry including the relationship of equations and graphs of linear, quadratic and parametric equations, translations of axes and locus and vectors. The course also includes the theory of equations, exponential and logarithmic functions, matrices and determinants.

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## Other Electives

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### **Spanish Enrichment I**

This course is designed for students who are proficient in speaking Spanish and wish for further study in the reading, writing, and speaking of the Spanish language, current cultural topics, Spanish literature and further acquisition of academic Spanish vocabulary.

### **Spanish Enrichment II**

This course is a continuation of Spanish Enrichment I. It provides further study into the reading, writing, and speaking of the Spanish language, current cultural topics, Spanish literature and further acquisition of higher academic Spanish vocabulary.

### **Mechanics**

*Open to students in 9th-12th grade.*

This course is designed to cover basic engine repair and mechanical projects related to problems that come up in basic living. Student will learn to troubleshoot and diagnose engines problems and how these skills apply to their lives.

### **School to Career**

*Open to students 11th - 12th grade*

*Prerequisite: Counselor approval*

This course will help meet students' needs on an individual basis. It is for students who are interested in specific job placement, skills development or work study while still attending high school.

### **Peer Connections**

*Prerequisite: Open to 9th-12th grade. Principal/Counselor approval*

The peer connection course provides students with the opportunity to learn about disabilities, diversity, and acceptance. Students will support students with identified needs by going into their classes and will helping them succeed by helping them participate in class and complete class assignments. There is also a required lunch time class once a week.

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## College Correspondence Courses

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### **American History 1865 to Present: HIST 203**

A chronological examination of American problems and progress. (3 credits)

### **Principles of Economics — ECON 255**

*Prerequisite: Permission from teacher*

This course develops student understanding the detailed macro/micro approach to the workings of the market system with actual applications to problems of energy, unemployment, inflation, pollution, poverty, health, discrimination and other important issues. (3 credits)

### **The Sociological Imagination: SOC 201 – GT – SS3**

This course is designed to encourage students to develop social science frameworks for analyzing the social world in a context that transcends conventional wisdom and personal experience. (3 credits)

### **Development of Civilization: HGP 110 – GT – HI1**

A study of Western and Eastern civilizations from their Neolithic origins to 1500, with emphasis on cultural and institutional developments. (3 credits)

### **Development of Civilization: HGP 111 – GT – HI1**

A study of Western and Eastern civilizations from 1500 to the present, with emphasis on cultural and institutional developments. (3 credits)

### **Environmental Science: ENV 101**

An introductory level study of ecosystems, evolution population growth dynamics and problems, atmospheric and geologic processes, nonrenewable resource use, soil and land use, nutrient cycling, energy use, pollution and conservation strategies. Prerequisite Math 099, minimum grade: D. (4 credits)  
Intro to Environmental Science Lab. 0 credit hours.

### **Physical Geology: GEOL 111**

An introduction to the materials of the earth. Lab work includes identification and classification of minerals and rocks and exercises involving topographic and geological maps. (4 credits)

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## Mathematics

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### **Calculus**

Calculus deals with calculating and exploring things that change at variable rates. The major concepts of calculus include limit, derivative and integrals. Students will make regular use of the graphing calculator in the problem solving process.

### **AP Calculus**

*Prerequisite: Permission from teacher*

Available with special arrangements based on individual student needs, otherwise available through Colorado On-line Consortium.

### **Finite Mathematics: Math 104 – GT – MA1**

Topics covered include functions and their graphs, matrices, linear programming, probability, and descriptive statistics. Applications are studied from the areas of business, behavioral sciences, economics, and the social sciences. The computer will be used as a problem solving tool. Prerequisites: Math 099, minimum grade S, ACT Math Placement Score of 19, or SAT Math Score of 440. (3 credits)

### **Business Mathematics & Finance**

*Prerequisite: Open to students for 4th math credit.*

This course introduces students to the major concepts involving consumerism, personal finance, credit, marketing strategies, supply and demand theory, and business economic concepts. Students in this course will gain skills for making sound financial decisions about payroll records, taxes, investments and business profit and loss.

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## Science

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*Note: A course in Biology is required for graduation.*

### **Earth Science**

This course covers the traditional Earth Science basics while integrating some basic physics, chemistry, electricity and Earth science. Students will be involved in a variety of lab activities that engage and build science skills.

### **Biology**

This course emphasizes the study of living things through laboratory experiences and investigative processes. Biology includes a wide range of content topics that are built upon the background knowledge gained through the study of matter and energy. Students will cover the scientific study and processes of basic living organisms and their structure, cell processes and structure, heredity, and genetics. Dissections may occur in this course.

### **Anatomy**

*Prerequisite: Biology*

This course includes a study of systems, functions, dysfunctions and structures of the human body. Topics of study include cell specialization, skeletal, muscular and nervous system. This course is recommended for those interested in medicine-related fields. Lab with dissection are involved in this course of study.

### **Chemistry** (*Open to 10th grade & higher or with prior approval*)

This course emphasizes a laboratory approach to problem-solving as well as a body of basic knowledge. Students will study the language of chemistry, the states of matter, the structure of matter, the behavior of substances, the chemistry of solutions and chemical bonding. Students should explore chemistry through inquiry, hands-on laboratory investigations, individual studies and group activities.

### **Botany** (*Plant Biology-offered depending on interest*)

*Prerequisite: Biology*

Botany is the scientific study of plants and their relationship to the environment. Student will investigate the growth, reproduction, anatomy, physiology, biochemistry, taxonomy genetics and ecology of plants. Laboratory and outdoors experiences will complement classroom activities. Students will be introduced to the many general principles of biology as possible as we concentrate on plant biology.

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## College Correspondence Courses

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### **Communication Arts I: Eng 101 – GT-CO1**

*Prerequisite: ACT of 19 or higher*

A course designed to provide students with the reading, writing, and critical thinking skills necessary to produce effective college-level expository writing. (3 credits)

### **Communication Arts II: ENG 102 – GT C02**

*Prerequisite: ENG 101, minimum grade D or P.*

The emphasis in this course is upon source-based writing designed to develop skills in critical reading, thinking, and writing. (3 credits)

### **Major Themes in Literature: ENG 203**

*Prerequisite: ENG 101. Minimum Grade: C or P.*

This course is designed to expose students to a variety of literature and to develop critical thinking, reading, and writing skills. (3 credits)

### **Art Appreciation: AR 103 – GT-SS3**

*Prerequisite: Open to 11th & 12th Graders and students need permission from teacher.*

This course provides a foundation in the basic concepts, materials, and processes of the visual arts, as well as a brief history of art. (3 credits)

### **Finite Mathematics: MATH 104 – GT – MA1**

*Prerequisites: Math 099, minimum grade S, ACT Math Placement Score of 23, or SAT Math Score of 440.*

Topics covered include functions and their graphs, matrices, linear programming, probability, and descriptive statistics. Applications are studied from the areas of business, behavioral sciences, economics, and the social sciences. The computer will be used as a problem solving tool. (3 credits)

### **Introduction to Psychology: PSYC 101 – GT-SS3**

This course provides students with a survey of research and theory in the science of psychology. Course topics include critical thinking skills, research methods, neuroscience, sensation and perception, life-span development, learning, memory, personality, psychological disorders, and social psychology. (3 credits)

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## Foreign Language

### **Foreign Language**

#### **Spanish I (For Non-Spanish-Speaking Students)**

This course is open to students who are beginning the study of the language. Students study the reading, writing and speaking the Spanish language and the Spanish culture. They will learn to communicate orally, in writing, and to derive meaning from the written and spoken word.

#### **Spanish II (For Non-Spanish-Speaking Students)**

*Prerequisite: Spanish 1*

This course is the second in Spanish language acquisition. It will help students further their study of reading, writing, and speaking the Spanish language. Students will also continue to study the Spanish culture. This year of study also includes further study into new grammar concepts and different verb tenses of the language.

#### **Other World Languages**

Students interested in pursuing the acquisition of other world languages may do so through computer software and/or on-line opportunities. If a student is interested in learning a different language than the one offered special arrangements can be made. Please contact the high school counselor to discuss this opportunity.

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### **Other Graduation Requirement**

#### **Senior Seminar**

##### **Senior Seminar/Independent Study Senior Seminar**

*Prerequisite: Open to incoming seniors. The class can be taken with the seniors or, upon approval, taken through independent study.*

This course helps prepare seniors for a life of learning after high school. Senior Seminar provides students with opportunities to review for college readiness and/or employment. It also reinforces the skills students need for everyday living on their own. The topics covered include career exploration and goals, portfolios, college preparation (ACT/SAT, applications, scholarships), employment preparation (job applications, resumes, interview skills), and skills for living on your own (loans, checking, saving, taxes).

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## Science

### **Forensic Science**

*Prerequisite: Biology*

*Open to 11th-12th grade students, others on an individual basis*

Forensic Science is applying scientific analysis to matters of law. It is a broad, interdisciplinary field which requires a knowledge of chemistry, biology, physics, laboratory techniques, and law; as well as excellent skills in written communication, verbal communication, and computer applications. This course will introduce many forensic areas including (but not limited to) forensic anthropology, forensic entomology, and forensic medicines. The emphasis in this course is for students to deepen their understanding of the sciences by applying scientific concepts in the laboratory and in case studies.

### **Physics**

*Prerequisite: Completion of Pre-Calculus is recommended. Open to Juniors and Seniors only.*

This course covers basic concepts in physics. The focus is on understanding the nature of matter and energy and the dynamics of the cosmos.

### **AP Physics**

*Prerequisite: Completion of Physics or permission from teacher*

This course covers the AP physics curriculum. Students taking this course will be required to take the AP exam at the end of the year.

### **AP Biology**

AP Biology differs significantly from a traditional high school biology course due to text content, depth of material covered, lab work, and time and effort required to achieve mastery in subject area. This course is designed to be taken by students after successful completion of biology. Taking Chemistry prior to this course is recommended.

### **Intro to Environmental Science: ENV 101**

Available through an ASC Correspondence Course (**ENV 101**)

*Prerequisite: Earth Science & Approval from Counselor or Principal*  
This course is a college introduction to the study of ecosystems, evolution population growth dynamics and problems, atmosphere and geological processes, resources, energy, and conservation.

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## Science

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### **Scientific Research and Engineering**

*Prerequisite: Permission from teacher*

*Open to all students 9th—12th Grade*

This course emphasizes the methods, procedures and practices of independent scientific research through student participation in a year-long research project. Students will learn laboratory research skills, data analysis, programming, and presentation skills. Students will have the opportunity to conduct laboratory and field research and be mentored by a professional in a field of science. The advanced course focuses on the implementation of the scientific method to solve real world problems.

### **Certified Nurses Aid (C.N.A.)**

*Prerequisite: Completion of Biology and/or Anatomy*

*Students must be 16 years old to enroll.*

*Articulated with successful completion of Nurse Aid Health Care Skills: NUA 101, 105, 170, 171 & 172*

This sequence is available through Trinidad State Junior College and occasionally offered in evening classes through the Academic Recovery Center. Completion must include the clinical classes. This prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, home health care, communication skills, restorative services, personal care skills, safety and emergency care issues are covered.

### **Emergency Medical Technician (E.M.T)**

*Prerequisite: Completion of Biology and/or Anatomy*

*Articulated with successful completion of EMS 125 & EMS 170*

This sequence is available through Trinidad State Junior College and occasionally offered in evening classes at alternate locations.

Completion must include the clinical class. This prepares the student to be employed by ambulance, rescue and fire departments, search and rescue or other areas of private industry. Student must also take and pass the written practical exam. Student must be 18 years of age to take the written exam.

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## Fine Arts

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### **Music**

#### **Band**

*Prerequisite: Band students must be able to read, analyze and interpret traditional notation or willing to learn to read music*

Students will learn and perform a variety of music including, but not limited to: pop, contemporary, marches, jazz, classic, swing, and rock for pep and concert band. Students will have the opportunity to perform in solo & ensemble competitions and other local and regional events.

#### **Choir**

*Prerequisite: Ability to read music is not required but very helpful.*

Students will develop voice techniques and learn and sing a variety of literature, from hymns to spirituals, to contemporary and popular music. Students will work in class as a group and perform as a group at Winter and Spring Concerts. Student will have the opportunity to participate in Valley and State choir festivals and events. Student will write, arrange and perform their own songs.

#### **Alternative Performance with Music Appreciation:**

*Prerequisite: Permission from teacher*

Students interested in playing guitars, keyboards, drum sets and other instruments will learn and perform a variety of music including, but not limited to blues, rock, country, folk, and rock music. Students will be exposed to a variety of music styles, literature, and history, and will have the opportunity to compose and perform original compositions. Students will set quarterly goals and be expected to meet those goals through independent or group work.

#### **Music Independent Studies:**

*Prerequisite: Permission from teacher*

This course is for students will have the opportunity to expand and improve their musical abilities through independent work and one-on-one lesson time. Students will have the opportunity to perform in solo & ensemble competitions and other local and regional events.

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## Fine Arts

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### **Art**

#### **General Art I**

In Art I students are introduced to a variety of art media (i.e. pottery, clay, charcoal, ink and printmaking). Students will experiment with these media on multiple projects utilizing a variety of techniques.

#### **General Art II**

Students build on the skills developed in General Art I. Students will continue to develop skills in specific areas and art techniques as they experience familiar and new art media.

#### **Independent Art Studies:**

This course is for students who have completed General Art I & II and who are seeking further advanced Art studies in specific areas. This course requires the student to work with the teacher to develop a rigorous course of study and may required meeting time outside the regular school day.

#### **Fashion Design**

This course is for students interested in the art of fashion and fashion design. In this course students will design multiple projects, create a pattern to layout, and cut and sew their own fashion projects. Students are expected to cover the costs of the material needed for the projects they will be required to complete.

#### **Art Appreciation: AR 103 (3 college credits)**

*Prerequisite: Open to 11th & 12th Graders and students need permission from teacher.*

This course provides a foundation in the basic concepts, materials, and processes of the visual arts, as well as a brief history of art.

### **Drama**

#### **Drama**

*Open to students in 9th-12th grade.*

This is an introduction to the practical skills of creating a theatrical performance. Emphasis for this course will be on developing basic skills in basic set, lights, sound, costume, publicity, house management, make-up. Students will work towards a production and possible small school theatre festival.

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## History/Social Studies

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### **World History/Geography**

*(Recommended for 9th grade students)*

This course explores the human drama in world history. Students will identify events and the people that characterize each of the major eras in world history. Students will also explore topics in the physical and human geography of the areas studied in world history (i.e. human population growth, migration in geographic regions, and physical geography of the areas). Some of the eras explored are Early Civilizations, Empires of the World, Regional Civilizations to Early Modern Times.

### **U.S. History**

*(Recommended for 11th grade students)*

This course surveys our country's history from exploration to the Cold War. The topics will include the Civil War and Reconstruction and its effect and enduring impact on the people; the transformation of the American economy and changing social and political conditions in response to the Industrial Revolution; the changing role of the United States in world affairs; and the analysis of the political, social, economic, technological and cultural developments of these eras.

### **Government/Civics**

*(Recommended for 12th grade students)*

This course is designed to help students understand the purpose of government, the structure, function and workings of government, the rights and responsibilities of citizens, and the change processes that keep American government workable. Students study the similarities of governments at the national, state and local levels. Students will also study American Civics through the study of our nation's government and economy. Students will understand the importance of civic duty as it relates to them individually and their responsibilities to it.

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## History/Social Studies

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### **Economics**

*Prerequisite: World History or currently enrolled in World History*

This course covers the key concepts in understanding of how economic behavior of individuals, families, business and governments reflects their drive to meet their needs and satisfy their wants in a world of economic and environmental scarcity. This course will help explain the causes and solutions to issues such as energy scarcity, unemployment, inflation, pollution, poverty, healthcare, discrimination and other world conditions.

### **Honors American Government/Civics**

*Prerequisite: Permission from teacher*

This honors class is a rigorous course and assumes that the students already understand basic government structure. This course is designed for the motivated students who wishes to study in-depth the national governmental structure, American democracy, the political party system in the United States, and the contemporary issues that surround it.

### **American Government (GOVT 291)**

Available through an ASC Correspondence Course

*Prerequisite: Approval from Counselor or Principal*

This course is a survey of national government/political processes, American democracy, the Constitution, political parties, the executive/congressional/judicial branches and contemporary issues.

### **Development of Civics/Government (HGP 110 & HGP 111).**

Available through an ASC Correspondence Course

*Prerequisite: Approval from Counselor or Principal*

If taking this course the student must take both semesters if this course. The first semester is a study of Western and Eastern civilizations from their origins to 1500. The second semester is these civilizations from 1500 to present.

### **AP History**

Available through Colorado On-line Consortium.

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## Health, Physical Education & Senior Seminar

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*Note: Only ½ credit can be earned for participating in two sports per year. Sports credits may be used as either P.E or elective credits.*

### **Health**

#### **Health Education**

This course covers the total mental, emotional and physical aspects of being healthy. In this course students will be familiarized with health related topics through discussion, research, participation and application.

### **Physical Education**

#### **BFS**

This course is designed to help student develop their overall physical condition. This will be done through a variety of exercise structures such as aerobics, stretching, cardio vascular workouts and strength training. Students will learn how assess their overall physical needs, set goals and work to develop specific areas to improve their overall strength, cardiovascular condition and muscle endurance.

#### **Physical Education**

This course provides opportunities for students to participate in a varied selection of individual, team and personal development activities. Students are guided in identifying and improving their individual physical fitness levels.

#### **Tightening and Toning**

This course provides opportunities for students to get in shape and maintain a toned physique. Throughout the regimens provided student will learn proper technique, skills and nutrition to meet their physical goals. Students are guided through Pilates, aerobic, Anaerobic, cardiovascular, and high repetition low weight workouts. The main goal of this class is to build lean muscle mass while burning fat, therefore resulting in a lower body fat percentage and a toned body. This class is not designed for heavy or large muscle building.