



Rampart High School

2026-2027 Course Guide

Rampart High School
8250 Lexington Drive
Colorado Springs, CO 80920
719-234-2000
<https://rampart.asd20.org/>

Administration

Meghan Sanders, Principal
Kylee Bailey, Assistant Principal
Davlyn Edgett, Assistant Principal
Abbey Graham, Assistant Principal
Amanda Wermers, Assistant Principal/Athletic Director
Brian Herman, Dean of Students
Bre Brubaker, Dean of Academics

Counseling

(719) 234-2034

9th Grade Counselor

Breanna Dasher

10th – 12th Grade Counselors

Megan Jeltos, A – D
Carrie Brawley, E – K
Becky Anderson, L – Rh
Katie Bratt, Ri – Z

Other Counseling Staff

Holly Hilts, College & Career
Kristen Seagren – SAFE Counselor

Academy School District Twenty
1110 Chapel Hills Drive
Colorado Springs, CO 80920
(719) 234-1200

TABLE OF CONTENTS

Rampart High School Course Guide 2026-2027	4
Rampart High School Mission Statement	4
Academy School District Twenty Mission Statement	4
Graduation Requirements	4
Academy District 20 Graduation Requirements	5
Higher Education Admission Recommendations	6
General Information	7
Student Classification	7
Weighted Grades	7
Student Transcripts	7
Schedule Change Policy	8
Schedule Change Procedures	8
Academics and Athletics for High School Eligibility	8
National Collegiate Athletic Association (NCAA) Eligibility	8
College and Career	9
Military Service	9
Career Education Program	9
Advanced Placement Program (AP)	9
English as a Second Language (ESL)	10
Special Education	10
Materials Fees	11
Course Guide Symbols	11
2026-27 Course Offerings	12
The Arts – Course Descriptions	13
Career and Technical Education (CTE) – Course Descriptions	25
English – Course Descriptions	43
Mathematics – Course Descriptions	47
Physical Education – Course Descriptions	51
Science - Course Planning	58
Science – Course Descriptions	61
Individuals & Societies – Course Descriptions	67
World Language – Course Descriptions	72
Seal of Biliteracy	72
Special Programs – Course Descriptions	81
Advancement Via Individual Determination (AVID)	85
Rampart Early College Academy (RECA)	86
AVID / RECA Course Progression	87
Air Force Junior Reserve Officer Training Corps (AFJROTC)	88

Last Revised January 21, 2026

Rampart High School Course Guide 2026-2027

This curriculum guide has been developed to assist you in planning for a successful high school experience. The guide contains the requirements that you must meet to graduate from Rampart High School. It also contains brief descriptions of all the courses offered and information regarding student expectations at Rampart High School.

Study the graduation requirements and course descriptions carefully with your parents before planning your courses. Your counselor and teachers will assist you with your decisions. Your choice of courses should be based upon graduation requirements, post-high school plans, teacher recommendations, interests and abilities, and your past achievements.

It is important to note that some of the courses listed in this guide may not be offered due to insufficient student registration.

All New Students to the District should:

1. Start the registration process by navigating to the [Academy School District Twenty website](#). Click on the **Register Icon** and follow the directions.
2. After completing the online registration, take all paperwork to the District Twenty Education and Administration Center at 1110 Chapel Hills Drive, Colorado Springs, CO 80920 (719) 234-1200.
3. After completing the steps, call Rampart High School counseling office (719-234-2034) to make an appointment to schedule classes.
4. Bring a withdrawal form with grades and a current transcript from their previous school to help ensure correct placement.

Rampart High School Mission Statement

Rampart High School, an inclusive learning community dedicated to excellence and growth, prepares, and empowers students to be leaders through the exploration of and engagement in rigorous and innovative educational and extra-curricular experiences that cultivate character in a respectful and safe environment.

Academy School District Twenty Mission Statement

The mission of Academy School District 20 is to educate and inspire students to thrive.

Graduation Requirements

District Twenty believes that all students who graduate from our schools should have a firm foundation in the core areas of English, world languages, mathematics, science, and a comprehensive background in the fine arts, physical education, and health. To be prepared for postgraduate careers or higher education, students should select courses which are related to their plan and are academically demanding. The coursework outlined in this policy is the minimum required for earning a diploma; students should strive to challenge themselves by exceeding the requirements whenever possible in accordance with their post-graduation goals. As students plan their four years of high school, they are encouraged to call on the advice and counsel of their parents/guardians and school officials. Graduation requirements are based on the units of credit earned in grades 9 – 12. A unit of credit is defined as the amount of credit given for the successful completion of a course per semester. All courses are 1 credit per semester with the exception of Student Assistant, Library Assistant, Guided Study Hall and Freshman Success, which are .5 credit courses.

Academy District 20 Graduation Requirements

Students must:

- I. Meet coursework requirements. These requirements reflect a well-rounded sequence of courses that prepare D20 graduates for a wide range of post-secondary options.
- II. Demonstrate proficiency in both math and English language arts (RWC) as required by the Colorado Department of Education.

Coursework Requirements

English	8
Math (Algebra / Geometry required)	6
Science	6
Social Science (US History / Civics required)	6
World Language	2
Core Electives (includes English, World Language, Math, Science and Social Science)	6
Physical Education	3
Health	1
Arts (includes Visual and Performing Arts)	1
Unrestricted Electives	11
Total Credits Required	50

Credit may not be issued for driver's education or religious classes taken at another school.

Math and RWC Proficiency

Students may demonstrate proficiency in math and/or RWC by any one of the following:

- Meeting the established minimum score on one or CDE's approved assessments.
- Obtaining an approved industry certificate that aligns with their individual career and academic plans (ICAP).
- Obtaining a C- or higher in an approved concurrent enrollment, college level course that aligns with their ICAP.
- Obtaining a passing score on a capstone project approved for math and/or RWC that aligns with their ICAP.

To be eligible for participation in commencement exercises, students must complete all graduation requirements by the date of graduation.

Demonstration of Proficiency

Option	English Minimum	Math Minimum
SAT	470	480
ACT	18	19
Advanced Placement	2	2
ASVAB	31	31
Concurrent Enrollment	Grade of C-	Grade of C-
Capstone Project	Passing Grade	Passing Grade
ACT WorkKeys®	3	3
International Baccalaureate	4	4
Industry Certification	Certificate	Certificate
State Assessment	TBD	TBD

Higher Education Admission Recommendations

Courses marked with an “H” in this guide meet the HEAR recommendations.

These credits represent typical requirements at four-year public institutions and not for the state’s community colleges, which are open admissions. The units have been adjusted to reflect the credit structure for Academy School District 20. Additionally, these credits are not meant to imply or replace Academy School District 20 graduation requirements.

Four-year colleges in Colorado know that academic preparation in English and math will help students be more likely to succeed in college. Higher Education Admissions Recommendations (HEAR) is one factor that four-year institutions consider in the admission process. HEAR is outlined by the Colorado Department of Education (CDE) to include a certain level of math, English, physical sciences, social sciences, foreign languages and electives. Private colleges and universities set their own admission standards, so students should contact those institutions directly for information regarding their enrollment policies. Additionally, public two-year colleges have open enrollment policies, meaning that students applying to these schools do not need to meet HEAR. College admissions information for the state of Colorado can be found at [Colorado Department of Higher Education](#).

HB 05-1057 requires districts to provide parents a list of courses the district has available that satisfy the CCHE’s Higher Education Admission Guidelines. To view or download the list of Academy District 20’s HEAR courses, please visit the [D20 HEAR page](#).

We encourage Rampart students to plan for post-high school education. Requirements vary greatly (by major, etc.), so students should consult college websites and view books, attend college fairs, and visit with college representatives. Consult with the college counseling department for information on how to access these resources.

General Information

Student Classification

Students are classified based on the number of years they have spent in school. Thus, all students in their first year of high school are classified as freshmen; all students in their second year are classified as sophomores; and all students in their third year are classified as juniors. Students will be classified as seniors even though they may have less than 35 credits.

The following chart shows the number of credits a student should earn each year in order to stay on track to graduate within four years. Privileges related to senior status, including but not limited to IDs and parking permits, are based on this credit-earned system.

Classification	Credits Earned
Freshman	9 or fewer
Sophomore	10 – 21
Junior	22 – 35
Senior	35+

Weighted Grades

For students transferring into a District 20 high school, from either within District 20 or from another district, credits will be weighted only if the transferring course meets one of the following criteria:

- The credit will be weighted if the course is an authorized Advanced Placement or International Baccalaureate Diploma Programme course.
- The credit will be weighted for a course that is a district-wide weighted course.
- The credit will be weighted for a course if the specific District 20 school into which the student is transferring offers the same course or one with a similar title and description. If the school into which the student is transferring does not offer the same course as that with a weighted credit from a previous school, the credit will be unweighted.

Student Transcripts

Students should recognize the importance of their school records for financial aid and admission to college. A student's record is the accumulation of efforts from ninth grade through the twelfth grade (middle school credits in world language **will not** be reflected on the high school transcript but will count toward the world language graduation requirement; however, they **will not be factored into the high school G.P.A.**

Students will still need to complete **50 high school credits in order to graduate**). Successful completion of middle school Algebra 1 or Geometry will allow a student to continue on to higher level math courses at the high school level but **will not count toward the 6 math credits required for D20 graduation and will not be reflected on the high school transcript**. Grade point average and class rank are figured on courses taken in ninth, tenth, eleventh, and twelfth grades. A student's record includes the grade point average and courses completed. A request for a transcript for college admissions can be made through the [D20 College and Career Navigator](#). Seniors are trained on how to make transcript requests through The Individual Career & Academic Plan (ICAP) process early in the school year, but if they have questions, they should reach out to the College and Career Counselor. All other transcript requests (scholarships, athletics, other), should be made in the Counseling office.

Schedule Change Policy

Developing student responsibility is a goal that helps guide educational decision-making. Since students have the opportunity to choose most of their classes and build their schedules, it is expected that they will give careful consideration to this process and be responsible for the decisions they make. Please note that schedule changes could affect your athletic/activities eligibility and overall G.P.A.

Schedule Change Procedures

Schedule changes will be limited to (1) fulfilling graduation requirements and/or (2) making teacher recommended changes - this change will include level changes due to credits being earned over the summer in summer school or the loss of a credit due to a failing grade. Students that meet these criteria will have the opportunity to request a schedule change by contacting their counselor via email or scheduling an appointment in person.

After the 30th day of the semester, students who withdraw from a course will receive a W/F (withdraw/fail) for a semester grade in the course they are dropping, unless they have been educationally misplaced or have some extenuating circumstances, e.g., hospitalization, or long-term illness, etc. The W/F will be calculated into the total grade point average (G.P.A.) according to school policy.

Academics and Athletics for High School Eligibility

Students must:

- Have been enrolled in at least 5 full credits that apply to graduation requirements and have not failed more than one credit the semester prior to athletic participation.
- Be enrolled in 5 credits the semester of sports participation and not be failing more than one credit (two .5 credits do not equal one full credit, so Student Assistant credits do not count toward eligibility).

National Collegiate Athletic Association (NCAA) Eligibility

To be a qualified NCAA-eligible student athlete, students must meet requirements for coursework and grade point average. Student athletes who intend to compete in college should discuss their plans and these requirements with their counselor. For detailed information, visit the [NCAA Eligibility Center website](#).

NCAA Eligibility Requirements

	Division I	Division II
English Core	4 years	3 years
Math Core (Algebra I or higher level)	3 years	2 years
Natural Science (Including one year of lab science)	2 years	2 years
Extra years of English, math, or natural science	1 year	3 years
Social Science	2 years	2 years
Extra core courses (from any category above, foreign language, non-doctrinal religion or philosophy)	4 years	4 years
Total	16 core courses	16 core courses

In addition:

- For Division I schools, a student must have at least a 2.20 GPA in the above Core Units
- For Division II schools, a student must have at least a 2.20 GPA in the above Core Units
- Students should check to see which RHS courses have been approved by the eligibility center. To do so, log onto [NCAA Eligibility Center](#) and use our school code which is **060294**. Any courses taken pass/fail are given a grade of “D” in the GPA.
- Students should access the website if they have questions or meet with the College Counselor or their Athletic Director.

Students who are interested in competing in college athletics at the Division I or II level should complete an NCAA Eligibility form before the end of their junior year. This form is to be completed on-line at [NCAA Eligibility Center](#).

All courses marked with a superscript 1 (¹) in this guide meet NCAA requirements.

College and Career

Whether you're headed to college or launching a career, we have a way to help you get there. The [D20 College and Career website](#) provides information on various opportunities across the district and region to help students with postsecondary readiness and planning. Find out about earning college credit in high school with Concurrent/Dual Enrollment options or check out Career and Technical Education (CTE) options to help you hit the ground running.

Military Service

Military Service: Some students graduate and immediately enlist in the military to serve our country. Visit [the military website](#) or see your local recruiter for more information.

Career Education Program

ICAP – The Individual Career & Academic Plan (ICAP) assists students with post-secondary planning to ensure that all students are prepared to make informed decisions about their futures. ICAP is a portfolio where students learn about and record such information as learning styles, interest inventory results, awards, and community service records.

Advanced Placement Program (AP)

Students considering one or more AP classes should be sure that they have met the prerequisites for the AP class in question and complete any applicable summer assignments. To ensure that students have ample time to attempt the rigorous curriculum found in AP classes, without having to worry about W/F penalties, AP students may request level changes for AP drops/level changes until the 10th school day of the semester. After that, only students with extenuating circumstances, e.g., hospitalization, or long-term illness, etc., will be able to change an AP class without the W/F being applied to their transcript and GPA. Please reach out to Mrs. Attias, the AP Coordinator, at julie.attias@asd20.org or (719) 234-2045 with any questions about AP enrollments.

The Advanced Placement Program (AP) gives students an opportunity to participate in college-level curricula, and to take college level exams while still in high school. AP courses give access to in-depth and accelerated learning at the college level. They differ from non-AP classes with respect to the kind of textbook, the range and depth of topics covered, and the amount of time and effort required of the student.

Thirty-eight courses are offered worldwide by nearly 14,000 high schools. Rampart AP students are strongly encouraged to take the College Board's AP Examination on a national test day in May. Depending on the scores students earn, they may be granted college credit, advanced placement in a college class, or both. To learn more about a college's policies regarding AP credits, consult the college's Director of Admissions, catalog, or website. More information about Advanced Placement courses can be found on the [College Board website](#). All AP examinations contain both multiple-choice and free response (essay) questions. Most of the examinations will take approximately three hours, and they must be taken on the day determined by College Board. Every examination receives an overall grade on a 5-point scale: 5 = Extremely Well Qualified; 4 = Well Qualified; 3 = Qualified; 2 = Possibly Qualified; and 1 = No recommendation.

In keeping with D20 Board policy concerning courses with weighted grades, any student who does not take the AP exam will be given an appropriate alternative assessment determined by the teacher to be equal in rigor and challenge. Students wishing to enroll in AP courses at Rampart are those who intend to take the AP exams in May. Information about exam registration and payment is available from Julie Attias, the AP Coordinator. The cost of each AP exam is approximately \$115 (annually set by College Board and may be subject to increases which may not be reflected by the time this course guide is published). There is financial assistance available upon qualification students will register for their exam during fall semester, and payment is collected through Infinite Campus or through the Rampart bookkeeping office. Students have until October 31st to opt out of taking the exam and must notify Mrs. Attias by this date.

English as a Second Language (ESL)

District 20 offers specialized courses for students who do not speak English as their primary language. Rampart is the district's magnet high school for English as a Second Language (ESL) student. Rampart's ESL program offers six levels of language acquisition instruction for basic, intermediate, and advanced ESL students. Achieving proficiency in listening, speaking, reading, and writing is emphasized, so that all ESL students can be successful in all academic courses.

Special Education

Programming for students with special education services reflect our philosophy that all students benefit from active involvement in the larger community of Rampart High School and the Pikes Peak Region.

Rampart High School provides services to students with Individual Educational Plans (IEPs). Each student is assigned a special education case manager who manages the services and resources for the student.

Services, accommodations and modifications are provided as outlined in the student's Individual Education Plan (IEP).

Students are scheduled into courses based on strengths and needs. Specific intervention classes, taught by special education teachers, are available for credit, based on needs outlined in the student's IEP.

District 20 Transition Services are available for some students with active IEP's who have continuing transition needs, to the end of the semester in which the student turns 21 years of age. District 20 Transition Services (Bridges) provides for continuing education and training, transitional life skills, coordination of community services and/or vocational/work experiences.

Students that are receiving services under Special Education at RHS are eligible to take an Academic Support or Life Skills class. To receive services in an Academic Support or Life Skills class, the student will

need the indicated minutes as a need under their IEP. Students in an Academic Support or Life Skills class will receive those services by a highly qualified resource teacher or significant support needs teacher.

Are You New to the District?

1. Register at the Education and Administration Office (District 20 Central Administration). Identify your student as having a current IEP and special needs.
2. After District 20 Central Administration has indicated which school your student will be attending, schedule an appointment with an RHS counselor, indicating that your student has an active Special Education IEP. The counselor will involve the appropriate special education staff.
3. At minimum, bring to the appointment a copy of the current IEP. Any other special education records you may have will also be very useful, such as psychological reports, health reports, academic, and vocational assessments, etc.
4. If the IEP is from outside Colorado, we may hold a full review to determine if the student qualifies for special education services in Colorado.

It is our desire to make your student's transition from their former school to Rampart High School as smooth as possible.

Materials Fees

Please note that fees listed are subject to change without notice. Revisions to the course guide will be made as needed.

Course Guide Symbols

- H Indicates courses meet the HEAR requirements
- Courses superscripted 1 indicates the course meets NCAA requirements
- Courses superscripted 2 indicates special instructions
- AP = Advanced Placement
- CK = Career Kickstart
- DP = Diploma Programme
- IB = International Baccalaureate



Rampart High School
2026-27 Course Offerings

The Arts – Course Descriptions

Visual Arts

Overview of Courses

In all art classes, students can expect to evaluate, analyze, and interpret works of art as related to artists, art history, and culture.

Art 1

- Course 020000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

Students will receive instruction in the skills of basic drawing and painting. Students will explore basic techniques and subject matter. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, watercolor, and tempera.

Art 2

- Course 020005
- Grades: 9 – 12
- Prerequisite: Art 1 with a grade of C or higher, and/or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

Students will receive instruction in the skills of intermediate drawing and painting. Students will expand their knowledge and application of drawing and painting techniques. The media may include pencil, ink, charcoal, color pencil, printmaking, acrylic, watercolors, tempera, pastels, sanguine and sepia, and conte crayon.

Emphasis is placed on creative thinking and visual composition.

Art 3

- Course 020010
- Grades: 10 – 12
- Prerequisite: Art 1 and 2 with a grade of C or higher, and/or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

Student will receive instruction in the skills of advanced drawing and painting. Students will continue to develop personal style and complex problem solving skills as evidenced in the development of their portfolio.

Class critique plays a key part in student growth and understanding.

Art 4

- Course 020015
- Grades: 10 – 12
- Prerequisite: Art 1, 2, and 3 with a grade of C or higher, and/or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

Students will work in the media of their choice, developing advanced technical skills and personal style while addressing problems of creative expression. Mixed media and use of new media will be addressed. Students will be expected to create two “show quality” art pieces. **Class critique plays a key part in student growth and understanding.**

AP Studio Art 2D²

- Course 020040 A / B
- Grades: 10 – 12
- Prerequisite: Passing grade in both Art 1 and Art 2
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: \$100, AP exam cost of \$115
- Description and credit type: (fine art or unrestricted elective) H

This is a year-long, college-level class which requires dedication by the student in spending equal amounts of time inside and outside the classroom in art production. Students will work in the summer and the entire school year producing artwork for a portfolio. The AP 2D Design Portfolio involves integrative application of elements and principles through any 2D process or medium including, but not limited to: graphic design, photography, digital imaging, illustration, fabric design and digital imaging. 24 to 29 works will be completed for the AP exam portfolio. It is mandatory that the student work the entire school year producing artwork and submit a portfolio to the AP board in May.

AP Studio Art 3D²

- Course 020045 A / B
- Grades: 10-12
- Prerequisite: Ceramics 1 and Ceramics 2 or Sculpture and Ceramics 1
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: \$100, AP exam cost of \$115
- Description and credit type: (fine art or unrestricted elective) H

This is a year-long, college-level class which requires dedication by the student in spending equal amounts of time inside and outside the classroom in art production. Students will work in the summer and the entire school year producing artwork for a portfolio. The AP 2D Design Portfolio involves integrative application of elements and principles through any 2D process or medium including, but not limited to: graphic design, photography, digital imaging, illustration, fabric design and digital imaging. 24 to 29 works will be completed for the AP exam portfolio. It is mandatory that the student work the entire school year producing artwork and submit a portfolio to the AP board in May.

Ceramics 1

- Course 023000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

This course involves an introduction to the materials, techniques, design, and equipment of hand-built ceramic art and an introduction to the potter's wheel. Emphasis will be on development of basic skills, creativity, craftsmanship, aesthetics, and using clay as a medium of personal expression.

Ceramics 2

- Course 023005
- Grades: 9 – 12
- Prerequisite: Ceramics 1 with a grade of C or higher, and/or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

This course will include an in-depth study of materials, techniques, design, and equipment of hand-built ceramics plus intermediate wheel throwing.

Ceramics 3

- Course 023010
- Grades: 10 – 12
- Prerequisite: Ceramics 1 and 2 with a grade of C or higher, and/or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

At advanced levels of ceramic studies, students will work with materials, techniques, and concepts to generate their own personal designs. Students will be required to research and develop their ideas in and out of the ceramic lab. Students will pursue new directions with approval and guidance from the instructor. Emphasis may be on the exploration of clay as a sculptural medium, the business strategies behind the process of production pottery, independent study, and mastery of clay studio processes.

Ceramics 4

- Course 023015
- Grades: 10 – 12
- Prerequisite: Ceramics 1, 2 and 3 with a grade of C or higher, and/or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective) H

At advanced levels of ceramics studies, students will work with materials, techniques, concepts, designs, and research in and out of the ceramic's lab. Students will work with individualized projects utilizing instruction, reference, and experience. Students will pursue new directions with approval and guidance from the instructor. Students may take this course within a Ceramics 1, 2, or 3 class with instructor's approval.

Sculpture

- Course 028000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (fine art or unrestricted elective)

This course is a studio-based art class introducing students to three-dimensional art. Through individual and group projects, visual presentations, and class discussion, students will explore various forms of sculpture. After learning foundational elements, principles, and historical and contemporary background of three-dimensional art, students will express themselves and the world around them through many forms of sculpture including (but not limited to) paper, wire, clay, recycled materials, handmade books, group projects and even public installations. Projects will focus on both personal and public content through an inventive, creative, and hands-on approach.

Computer Graphic Design 1

- Course 026025
- Grades: 9 – 12
- Prerequisite: Basic computer skills
- Length of course: 1 semester/1 credit
- Materials fee: \$10
- Description and credit type: (fine art or unrestricted elective) H

Students will learn to use the computer as a tool for creating their own work and for manipulating digitized images. Students will use industry standard software, as well as digital imaging devices, to create a variety of 2D projects.

Computer Graphic Design 2

- Course 026030
- Grades: 9 – 12
- Prerequisite: Computer Graphic Design 1 with a grade of C or higher and/or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$10
- Description and credit type: (fine art or unrestricted elective) H

Students will continue their study of digital fine art using industry standard software and applying their skills to create more complex original digital compositions.

Digital Photography 1

- Course 026050
- Grades: 9 – 12
- Prerequisites: Students must provide digital camera
- Length of course: 1 semester/1 credit
- Materials fee: \$30
- Description and credit type: (fine art or unrestricted elective) H

Students will explore about visual communication and learn how to plan and produce photographic compositions that demonstrate an understanding of such techniques as light, composition, color, and visual impact. Emphasis will be placed on technical aspects of photography and manually adjusting your camera

settings accordingly. Nuanced discourse of photojournalism and ethics in photography is introduced. **Students must provide their own digital cameras with a minimum of 8 megapixels. Phones, iPods, and tablets are not permitted to be used as a camera for this class.**

Digital Photography 2

- Course 026055
- Grades: 10 – 12
- Prerequisites: Pass Digital Photography 1 with a C or better; students must provide digital camera
- Length of course: 1 semester/1 credit
- Materials fee: \$30
- Description and credit type: (fine art or unrestricted elective) H

Students will expand upon the themes covered in previous photography courses, with specific emphasis toward expanding technical fluency and personal articulation, using industry standard software. Students will explore studio lighting techniques, and on location shooting. **Students must provide their own digital cameras with a minimum of 8 megapixels. Phones, iPods, and tablets are not permitted to be used as a camera for this class.**

Performing Arts

Overview of Courses

Co-curricular opportunities in the performing arts include: Children's Theatre, Fall Play, International Thespians, Marching Band, Tenor Bass Choir, musicals, Pep Band, Ramantics (variety show), Stage Crew, and the winter play.

Beginning Guitar

- Course 125000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

This course is designed for beginning guitar students. The course will teach the fundamentals of music reading and beginning guitar techniques. Students will improve their understanding of music as they study a variety of musical styles and music from different cultures. Students must purchase the class text and have their own acoustic guitar.

Intermediate Guitar

- Course 125005
- Grades: 9 – 12
- Prerequisite: Beginning Guitar or instructor approval
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

This course builds on the fundamentals of music reading and beginning guitar techniques learned in Beginning Guitar. Students will continue to improve their musical understanding and playing skills as they study music from a variety of styles and cultures. Students must purchase their own copy of the class text and have an acoustic guitar.

Concert Band

- Course 125015
- Grades: 9 – 12
- Prerequisite: Previous band course work in middle school, junior high school, or pre-approval of director
- Length of course: 1 semester/1 credit
- Materials fee: \$50 enrichment fee, method book(s) purchase and \$50 school-owned instrument rental/percussion fee by semester, if applicable (Fees subject to change)
- Description and credit type: (fine art or unrestricted elective) H

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

March/Concert Band

- Course 125025
- Grades: 9 – 12
- Prerequisite: Previous band course work in middle school, junior high school, or pre-approval of director
- Length of course: 1 semester/1 credit
- Materials fee: \$50 enrichment fee
- Description and credit type: (fine art or unrestricted elective) H

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

Symphonic Band

- Course 125055 A / B
- Grades: 9 – 12
- Prerequisite: By audition only
- Length of course: 1 year/2 credits
- Materials fee: \$50 enrichment fee, method book(s) purchase and \$50 school-owned instrument rental/percussion fee by semester, if applicable (Fees subject to change)
- Description and credit type: (fine art or unrestricted elective) H

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

Wind Ensemble

- Course 125060 A / B
- Grades: 9 – 12
- Prerequisite: By audition only
- Length of course: 1 year/2 credits
- Materials fee: \$50 enrichment fee, method book(s) purchase and \$50 school-owned instrument rental/percussion fee by semester, if applicable
- Description and credit type: (fine art or unrestricted elective) H

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies and school events.

String Orchestra

- Course 125050 A / B
- Grades: 9 – 12
- Prerequisite: Previous string instrument course work in middle school, junior high, previous school, community-sponsored string/orchestra ensemble, or private instruction
- Length of course: 1 year/2 credits
- Materials fee: \$50 enrichment fee, method book(s) purchase, and \$50 school-owned instrument rental/percussion fee by semester, if applicable
- Description and credit type: (fine art or unrestricted elective) H

Students will practice and perform a variety of music to improve their musical knowledge and performance skills. Performances and some practices outside the regular school day are required. Students will be expected to participate in public performances, school assemblies, and events.

Jazz Ensemble

- Course 125035 A / B
- Grades: 9 – 12
- Prerequisite: Approval (audition) by instructor only
- Length of course: 1 year/2 credits
- Materials fee: \$50 enrichment fee, method book(s) purchase and \$50 school-owned instrument rental/percussion fee by semester, if applicable. Purchase of costume/performance attire as required
- Description and credit type: (fine art or unrestricted elective) H

Jazz band students learn and perform the music styles associated with jazz and improvisation. Instrumentation is that of the standard jazz big band. Performance and sectional rehearsals scheduled outside the regular school day are required. Students will be expected to participate in public performances, assemblies, and school events. Students may be required to purchase performance attire.

Advanced Jazz Ensemble

- Course 125040 A / B
- Grades: 9 – 12
- Prerequisite: Approval (audition) by instructor only
- Length of course: 1 year/2 credits
- Materials fee: \$50 enrichment fee, method book(s) purchase and \$50 school-owned instrument rental/percussion fee by semester, if applicable. Purchase of costume/performance attire as required.
- Description and credit type: (fine art or unrestricted elective) H

Advanced jazz band students learn and perform the music styles associated with jazz and improvisation. Instrumentation is that of the standard jazz big band. Performances and sectional rehearsals scheduled outside the regular school day are required. Students may be required to purchase performance attire.

Concert Choir

- Course 124010 A / B
- Grades: 9 -12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Materials fee: \$30
- Description and credit type: (fine art or unrestricted elective) H

This course is a beginning vocal group that studies and performs all styles of music. Students will learn fundamentals of vocal production and improve musical skills. Students will be expected to participate in public performances, assemblies, and school events. Students may be required to purchase performance attire.

Tenor Bass Choir

- Course 124026 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Materials fee: \$30
- Description and credit type: (fine art or unrestricted elective) H

Students will develop vocal technique while studying standard musical literature in a variety of popular and traditional genres. Students will develop performance-level skills necessary to participate and perform in a vocal ensemble.

Festival Singers

- Course 124015 A / B
- Grades: 10 – 12
- Prerequisite: Previous choral experience
- Length of course: 1 year/2 credits
- Materials fee: \$30
- Description and credit type: (fine art or unrestricted elective) H

The Festival Singers is an advanced vocal group which performs music from the Renaissance to challenging contemporary choral works. Dedication and commitment are an important part of this group. Festival singers perform at school and community events as well as festivals and competitions. Students are asked to put in outside practice time. Students may be required to purchase performance attire.

Mirinesse

- Course 124900 A / B
- Grades: 10 – 12
- Prerequisites: By audition only
- Length of course: 1 year/2 credits
- Materials fee: \$30
- Description and credit type: (fine art or unrestricted elective)

This elite women's ensemble performs difficult vocal jazz and musical literature throughout the school year. Members of this group should also be prepared to dance. Many concerts outside the school day are required. Good attendance and team skills are a must. Students are asked to put in outside practice time

and may be asked to provide a performing uniform. Students are expected to participate in public performances, school assemblies, and events.

Singsations

- Course 124035 A / B
- Grades: 10 – 12
- Prerequisite: By audition only
- Length of course: 1 year/2 credits
- Materials fee: \$30
- Description and credit type: (fine art or unrestricted elective) H

This elite group performs difficult vocal jazz and musical literature throughout the school year. Members of this group should also be prepared to dance. Many concerts outside the school day are required. Good attendance and team skills are a must. Students are asked to put in outside practice time and may be asked to provide a performing costume. Students are expected to participate in public performances, school assemblies, and events.

Theater/Drama 1

- Course 056200
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

Students will be introduced to the elements of theater and production. **This course is an introduction to theater and drama with an emphasis on background and structure, varieties and technique.**

Theater/Drama 2

- Course 056205
- Grades: 9 – 12
- Prerequisite: C or better in Theater 1 or its equivalent
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

Students will build upon the knowledge and skills of acting and theater production. **This course is a continuation of Theater/Drama 1 and provides students a solid background in the structure, varieties, and history of drama and will enhance skills in acting and theater production.**

Theatre 3: Advanced Acting

- Course 056635 A / B
- Grades 10 – 12
- Prerequisite: C or better in Theater/Drama 1 and Theater/Drama 2, or instructor approval
- Length of course: 1 year/2 credits
- Description and credit type: (fine art or unrestricted elective) H

Students will refine their skills in the areas of improvisation, pantomime, stage movement, characterization, and voice control as they develop performance techniques.

Theatre 4: Directing

- Course 056640 A / B
- Grades: 11 – 12
- Prerequisite: C or better in Theatre 3, or instructor approval
- Length of course: 1 year/2 credits
- Description and credit type: (fine art or unrestricted elective) H

Students will develop techniques of directing including script analysis and editing, auditions and casting, productive rehearsals, and performance.

Theatre 5 – Capstone

- Course 056643 A / B
- Grade: 12
- Prerequisite: Theatre 4
- Length of course: 1 year /2 credits
- Description and credit type: (fine art or unrestricted elective) H

This course allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study to prepare for certification. Students will collaborate with the instructor to determine specific content and course design. This course is part of the Career and Technical Education Secondary Pathways. **Class includes production aspects of theater, such as coaching directors, costumes, and stage managing.**

Stagecraft 1

- Course 056420
- Grades: 9 - 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

Students are introduced to the variety of programs and occupations in the arts, audio/video technology, and production. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster, and the knowledge, skills, and educational requirements for those opportunities. This course is part of the Career and Technical Education Secondary Pathways.

Stagecraft 2

- Course 056425
- Grades: 9 - 12
- Prerequisite: C or better in Stagecraft 1
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

Students will be introduced to methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. Students will explore the proper procedures for serving on stage crews. This course is part of the Career and Technical Education Secondary Pathways.

Music Appreciation

- Course 127000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

Music Appreciation is an exploratory music class that covers many types of music, including, but not limited to, Baroque, Classical, Jazz, Latin, and Rock styles. Students in this class have the opportunity to listen to music, watch videos, and perform presentations in class, on music that they enjoy. This class is open to anyone who likes music and desires to learn more about how today's music evolved from the music of previous eras.

Beginning Music Theory

- Course 123000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

This course is a comprehensive introduction to the fundamentals of music, including music reading, ear training, harmonic writing, and keyboard harmony. It is of special interest to the potential college music major and career musician. **It is highly encouraged that students who enroll in this course are proficient in playing a musical instrument or singing and can comfortably read western music notation. Enrollment in a Rampart High School performing music ensemble is also highly recommended.**

Intermediate Music Theory

- Course 123005
- Grades: 10 – 12
- Prerequisite: Beginning Music Theory or instructor approval
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

This course builds on the fundamentals taught in Beginning Music Theory and includes advanced music reading, advanced ear training, advanced harmonic writing, and advanced keyboard harmony. This course is of special interest to the potential college music major and career musician.

Career and Technical Education (CTE) – Course Descriptions

Business & Marketing

Overview of Courses

Students enrolled in business classes also have the opportunities to get involved in DECA and FBLA. Future Business Leaders of America (FBLA) and Distributive Education Clubs of America (DECA) are the student leadership organizations aligned with business and marketing education courses. FBLA and DECA provide the opportunity for students to compete at local, state, and national competitions in a variety of essential business and marketing subjects while developing competent leadership skills. See your business or marketing teacher for more information about joining FBLA and DECA.

It's Your Business: Introduction

- Course 030005
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

This course introduces the student to the world of business, an area that affects each of us. Topics may include basic economics, credit, banking, insurance, consumerism, income tax, entrepreneurship, careers, and the stock market. **Students have the opportunity to become members of Future Business Leaders of America (FBLA).**

Business Law

- Course 033300
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

In our private enterprise economy, the relationship of business, government, and individuals can be very complex. This course gives the student a broad knowledge base of how our legal system began, how it has evolved, and what might influence its future development. Topics may include: The Constitution, Ethics in Law, Crimes and Torts, Laws for Special Groups, Making Binding Agreements, and Contracts for Buying and Selling Goods. **Students have the opportunity to become members of Future Business Leaders of America (FBLA). Students may have the opportunity to attend a field trip of a behind the scenes tour of the El Paso County courthouse and hear from a district attorney in the classroom.**

Sports Entertainment Marketing 1

- Course 040032
- Grades: 9 - 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (fine art or unrestricted elective) H

Students will explore marketing functions and techniques as they relate to sports and entertainment marketing.

Personal Finance

- Course 034800 A / B
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (unrestricted elective)

Surveys the basic personal finance needs of most individuals and introduces the personal finance tools useful in planning and instituting a successful personal financial philosophy. The course emphasizes the basics of budgeting, buying, saving, borrowing, career planning, investing, retirement planning, estate planning, insurance, and income taxes. This course is part of the Career and Technical Education Secondary Pathways. **The Dave Ramsey Financial Peace school curriculum is used as supplemental material in this course. Students will compete in a state-wide online stock market game that simulates investing \$100,000 in stocks, mutual funds, and bonds.**

Business Economics

- Course 030000
- Grades: 11 – 12
- Prerequisites: 6 credits of social studies or 1 business/marketing credit
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

In this course students will make reasoned judgments about both personal economic questions and broader questions of economic policy. Students will also gain knowledge of the stock market, different types of economic systems, supply and demand, money and banking, business organizations, competition, taxation, financial institutions, the role of government in the economy, and the emerging global economy. This course is extremely useful in preparing for further study of economics in college as well as practical application to the business world. **An outside business consultant from Junior Achievement may enhance classroom instruction to bring in additional information and real-world experience. This course provides students with a foundation in personal financial literacy. Students have the opportunity to become members of Future Business Leaders of America (FBLA). Students will have the opportunity to participate in a state-wide online stock market challenge.**

WBL (Work Based Learning) in Business

- Course 030100
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement of this course.

This course is part of CTE's Secondary Pathways and aligns to Business Administration Pathway Level 4.

Marketing 1/DECA

- Course 040000 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Materials fee: Local/state/national dues for DECA \$70
- Description and credit type: (unrestricted elective) H

Students are introduced to business and marketing by exploring such topics as promotion, selling, communication, leadership, human relations, and career opportunities including applications and interviews. **Marketing 1 introduces students to the exciting world of business and marketing. In this challenging course topics include marketing, promotion, personal selling, communication, leadership, job application and interview, and human relations. Students will apply their business knowledge and skills by managing and operating the DECA Concession Lab and/or the DECA student-run lunch program. Within these lab operations students will research, design, advertise, purchase, and sell various school products and food items. Students will have the opportunity to become a DECA member. DECA is the co-curricular student organization that allows for student participation in district, state, and national marketing competitions. Through DECA, students will participate in social activities, community service projects, leadership development, and career awareness projects. Marketing 1 students, who are juniors and seniors may also enroll in the Marketing Cooperative Training class if employed in a marketing-related job. Rampart DECA no longer runs the school's lunch program and therefore does not offer experience for students to work the lunch program.**

Marketing 2/DECA

- Course 040005 A / B
- Grades: 10 – 12
- Prerequisite: Marketing 1
- Length of course: 1 year/2 credits
- Materials fee: Local/state/national dues for DECA \$70
- Description and credit type: (unrestricted elective) H

Students will increase knowledge and proficiency in the areas introduced in previous marketing courses.

Marketing 2 is a course for students that are interested in continuing their education in marketing and marketing-related topics. Topics include advertising, selling, economics, sports and entertainment marketing, event marketing, business services, hospitality, reviewing marketing concepts. Classroom instruction will be based on marketing projects with an emphasis on creativity, leadership, advertising and promotional campaigns, advanced sales techniques, communication in human relations, problem solving, successful presentations, and other group projects. Students will have the opportunity to become a DECA member. DECA is the co-curricular student organization that allows for student participation in district, state, and national marketing competitions. Through DECA, students will participate in social activities, community service projects, leadership development, and career awareness projects. Marketing 2 students can also enroll in the Marketing Cooperative Training class if employed in a marketing related job.

Advanced Marketing/DECA

- Course 040010 A / B
- Grades: 11-12
- Prerequisite: Marketing 2
- Length of course: 1 year/2 credits
- Materials fee: Local/state/national dues for DECA \$70
- Description and credit type: (unrestricted elective) H

Students will continue to build upon knowledge and skills learned in previous marketing courses. **This course is for juniors and seniors who are interested in advanced marketing topics. Topics will include business management, international business, entrepreneurship, communication, finance, current business strategies and professional presentations. Classroom instruction will feature individual and group project work. Students will read current business books and utilize the Internet for research-based projects. Students will have the opportunity to become a DECA member. DECA is the co-curricular student organization that allows for student participation in district, state, and national marketing competitions. Through DECA, students will participate in social activities, community service projects, leadership development, and career awareness projects. Students may also enroll in the Marketing Cooperative Training classes if they are employed in a marketing related job.**

Computer Science

Computer Applications 1

- Course 161000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

This course provides students with skills for professional communication and presentations using a range of devices and software applications. Students will learn and practice digital citizenship and information literacy. **This course provides students with computer skills needed for completing many daily business and personal tasks. The course covers proper keyboarding technique to ensure speed and accuracy, the proper formatting of business letters, reports, tables, and memos. Additional topics may include speech recognition, numeric keypad, and basic Microsoft Word. The following certifications are available to qualified students at the successful conclusion of the course:**

Microsoft Office Specialist (MOS) – Master

Programming 1

- Course 163015
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

The objective of this course is to teach problem-solving strategies and develop critical thinking skills by studying the fundamental principles of structured computer programming in C++ and/or Java. The student will develop algorithms and express them in top-down diagrams. Topics may include data types, variables, mathematical and logical operations, strings, character arrays, input, output, conditional statements, loop structures, and functions. **The following certifications are available to qualified students at the successful conclusion of the course:**

Certified Associate in Python Programming (PCAP)

Certified Entry-Level Python Programmer (PCEP)

IT Specialist: Python

Unity User Programmer

IT Specialist: Java

Programming 2

- Course 163020
- Grades: 9 – 12
- Prerequisite: Programming 1
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

This course is a continuation of the principles of structural programming introduced in Programming 1. Topics may include loops, advanced use of functions, pointers, structures, data files, arrays, and an introduction to object-oriented programming. **The following certifications are available to qualified students at the successful conclusion of the course:**

Certified Associate in Python Programming (PCAP)

Certified Entry-Level Python Programmer (PCEP)

IT Specialist: Python

Unity User Programmer

IT Specialist: Java

Web Design 1

- Course 163025
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

Using industry standard software, this course introduces the fundamentals of web site design and implementation. Students study web aesthetics and intuitive interface design. The course emphasizes file organization and layout including tables and frames, and the creation of web-optimized image elements. Students will be introduced to basic HTML scripting. **The following certifications are available to qualified students at the successful conclusion of the course:**

IT Specialist: HTML5 Application Development

IT Specialist: HTML and CSS

IT Specialist: JavaScript

Cybersecurity 1

- Course 169080 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of Course: 1 year/2 credits
- Description and credit type: (unrestricted elective) H

Students will apply concepts of data security, system administration, network administration, and programming to the study of cybersecurity. Through critical thinking, investigation of real-world issues and practical exercises, students will develop foundational cybersecurity skills. Students will adhere to and demonstrate computer security ethics. **The following certifications are available to qualified students at the successful conclusion of the course:**

CySA+ (Cybersecurity Analyst)

ITF+ (IT Fundamentals)

Network+

Security+

Certified Ethical Hacker (CEH)

Cybersecurity 2

- Course 169085 A / B
- Grades: 10 – 12
- Prerequisite: Cybersecurity 1
- Length of Course: 1 year/2 credits
- Description and credit type: (unrestricted elective) H

Students will apply advanced concepts of data security, system administration, network administration and programming to prevent cybersecurity attacks and mitigate cybersecurity threats in a test lab environment. Through critical thinking, investigation of real-world issues and practical exercises, students will refine cybersecurity skills while adhering to and modeling computer security ethics. **The following certifications are available to qualified students at the successful conclusion of the course:**

CySA+ (Cybersecurity Analyst)

ITF+ (IT Fundamentals)

Network+

Security+

Certified Ethical Hacker (CEH)

CK-AP Cybersecurity 1 – Network Fundamentals

- Course 169090 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (unrestricted elective) H

As the first course in the Cybersecurity Pathway, students completing Career Kickstart Cybersecurity 1 Networking Fundamentals will have the necessary foundation to pursue more advanced coursework. Students will explore the essential concepts of computer networking and security through the study of the Open-Systems Interconnect (OSI) Model. Students will learn how local and wide area networks operate, and develop skills to defend, maintain, and recover data over networks. Topics of study include

network devices, topologies, data transport, network configuration, troubleshooting, threat identification, threat mitigation, network addressing, Internet protocols, and firewalls. Students may have opportunities for industry certification. **The following certifications are available to qualified students at the successful conclusion of the course:**

Comp TIA Security+
Cisco Certified Support Technician (CCST)

Media

Sports Broadcasting

- Course 191097
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (unrestricted elective)

Students will learn about and apply modern live broadcast technology specifications and limitations to real world situations, as well as learn and apply the basics of commentating for athletic events of many types. The students will create live broadcasts with advanced graphics/scoreboards, schedule pre and post-game interviews, in-depth play-by-play coverage, and advanced multi-camera use for assigned athletic events. These broadcasts will be portfolio quality for students who want to apply to post-secondary journalism programs or apply for a job in the broadcast journalism industry.

Sports Broadcasting 2

- Course 191106
- Grades: 9 - 12
- Prerequisite: Sports Broadcasting
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (unrestricted elective)

Students will learn about and apply modern live broadcast technology specifications and limitations to real world situations, as well as learn and apply the basics of commentating for athletic events of many types. Students will create live broadcasts with advanced graphics/scoreboards, scheduled pre and post-game interviews, in-depth play-by-play coverage, and advanced multi-camera use for assigned athletic events. These broadcasts will be portfolio quality for students who want to apply to post-secondary journalism programs or apply for a job in the broadcast journalism industry. In this higher level course, students will provide leadership for the program. This course is part of the Career and Technical Education Secondary Pathways.

Sports Broadcasting 3

- Course 191107
- Grades: 10 – 12
- Prerequisite: Sports Broadcasting 2
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (unrestricted elective)

Students will continue to build knowledge and develop skills in modern live broadcast technology and commentating for athletic events of many types. The students will create live broadcasts with advanced graphics/scoreboards, scheduled pre- and post-game interviews, in-depth play-by-play coverage, and advanced multi-camera use for assigned athletic events. These broadcasts will be portfolio quality for students who want to apply to post-secondary journalism programs or apply for a job in the broadcast journalism industry. In this higher level course, students will provide leadership for the program. This course is part of the Career and Technical Education Secondary Pathways.

Sports Broadcasting 4

- Course 191108
- Grades: 10 - 12
- Prerequisite: Sports Broadcasting 3
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (unrestricted elective)

Students will apply knowledge and skills in modern live broadcast technology and commentating to create live broadcasts with advanced graphics/scoreboards, scheduled pre- and post-game interviews, in-depth play-by-play coverage, and advanced multi-camera use for assigned athletic events. These broadcasts will be portfolio quality for students who want to apply to post-secondary journalism programs or apply for a job in the broadcast journalism industry. In this higher level course, students will provide leadership for the program. This course is part of the Career and Technical Education Secondary Pathways.

Electronic Media 1

- Course 191090 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Materials fee: \$10
- Description and credit type: (core or unrestricted elective)

Students will learn and apply techniques of storytelling, and audio/video production and post-production. Students will learn and apply a variety of distribution methods. **This class is responsible for the production of the electronic broadcast media, TV and video production, and the school's video announcements. Students will learn in-depth interviewing techniques and expand their knowledge of audio and visual techniques.**

Electronic Media 2

- Course 191095 A / B
- Grades: 10 – 12
- Prerequisites: Electronic Media 1 and approval of instructor
- Length of course: 1 year/2 credits
- Materials fee: \$10
- Description and credit type: (core or unrestricted elective)

Students will continue to expand their knowledge and use of techniques of storytelling, and audio/video production and post-production and distribution methods. **This class is responsible for the production of the electronic broadcast media, television, and video production, and the school's video announcements. Students also create documentary and narrative video productions and chronicle various school activities. The following certifications are available to qualified students at the successful conclusion of the course:**

Adobe Certified Professional in Premiere Pro
Adobe Certified Professional in After Effects

Electronic Media 3

- Course 191092 A / B
- Grades: 11 - 12
- Prerequisites: Electronic Media 2 and approval of instructor
- Length of course: 1 year/2 credits
- Materials fee: \$10
- Description and credit type: (core or unrestricted elective)

Students will continue to develop skills used in the production of advanced film production, including in the areas of electronic broadcast media, television, video production, and video announcements. Students will create documentary and narrative video productions and chronicle various school activities. In this higher level course, students will provide leadership for the program. This course is part of the Career and Technical Education Secondary Pathways. **The following certifications are available to qualified students at the successful conclusion of the course:**

Adobe Certified Professional in Premiere Pro
Adobe Certified Professional in After Effects

Electronic Media 4

- Course 191093 A / B
- Grade: 12
- Prerequisites: Electronic Media 3 and approval of instructor
- Length of course: 1 year/2 credits
- Materials fee: \$10
- Description and credit type: (core or unrestricted elective)

Students will continue to improve and demonstrate skills and techniques learned in previous Electronic Media courses, focusing on the area of advanced film production. Students will create higher level video productions showing creativity and proficiency, and will continue to provide leadership for the program. This course is part of the Career and Technical Education Secondary Pathways. **The following certifications are available to qualified students at the successful conclusion of the course:**

Adobe Certified Professional in Premiere Pro
Adobe Certified Professional in After Effects

Filmmaking

- Course 191104 A / B
- Grades: 11 – 12
- Prerequisite: None
- Length of Course: 1 year/2 credits
- Description and credit type: (fine arts or unrestricted elective) H

Students will learn how to use digital video editing software to create, edit, and save movies. By creating movies using digital video clips, digital photos and music, students will demonstrate their learning of the basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, and creating a finished product. This course is part of CTE's Secondary Pathways and aligns to Digital Media & Communications Level 3.

Digital Media Capstone

- Course 109089 A / B
- Grade: 12
- Prerequisite: At least one previous Digital Media course (Sports Broadcasting 1-4, Electronic Media 1-4, or Filmmaking)
- Length of Course: 1 year/2 credits
- Description and credit type: (unrestricted elective)

This course allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study to allow for specialized study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student. It can either be a yearlong or semester long depending on the nature of the project. This course is part of CTE's Secondary Pathways and aligns with Digital Media & Communications Pathway Level 4.

Work Based Learning in Digital Media

- Course 109070
- Grade: 12
- Prerequisite: Any Digital Media course
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

This course is designed to prepare students to enter the workforce through on-the-job training in the form of a work-based learning experience and may be combined with class instruction. Students will build on prior knowledge and skills in the program of study aligned to their career and academic plan to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. Students will have the opportunity to develop skills in supervised practical experience on the job or in a classroom-based job environment. A personalized learning plan is a requirement of this course. This course is part of CTE's Secondary Pathways, and aligns with Digital Media & Communications Pathway level 4.

Consumer & Family Studies

Child and Adolescent Development

- Course 092000
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

How do humans develop mentally, socially, and physically? Students will study the underlying principles and skills needed to work with children of all ages and the factors that promote the healthy emotional and physical development of the child. Students will learn about brain development, growth of the self-concept, discipline, learning experiences, and guidance of children that relates to parent/caregiver effectiveness.

The Psychology of Relationships

- Course 092900
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

This course introduces students to many of the principles discovered through research in the area of social science called family science. Students will gain a deeper understanding of what builds successful families, as well as the science behind it. These skills enable students to develop more effective relationships within the school, home, and community.

Living on Your Own

- Course 090000
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

This course is designed to help students examine, evaluate, and manage the resources that aid in developing personal and family goals as they prepare to live independently of their parents. Students will study the integration of family, community, and career responsibilities while analyzing factors that contribute to a healthy lifestyle and relationships. Students gather information to assist them in making informed consumer decisions. Students practice decision-making and problem-solving skills as they examine real-life situations pertaining to living independently including employment, housing, finances, individual wellness, family needs, savings, credit, and taxes.

Early Childhood Education

- Course 093120
- Grades: 10 - 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective) H

Students will be introduced to skills required to secure employment as a teaching assistant in a childcare center, preschool or elementary school (focus is on ages birth to eight). In both classroom and child care facility settings, students will receive training in the eight key areas of professional knowledge: Child Growth and Development; Health, Nutrition and Safety; Developmentally Appropriate Practices; Guidance; Family and Community Relationships; Diversity; Professionalism; and Administration and Supervision. This course is part of the Career and Technical Education Secondary Pathways.

Journalism

Print Media I

- Course 191086 A / B
- Grades: 9 - 11
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (core elective) H

Students will demonstrate their understanding of a variety of programs and occupations in print media using digital tools that are widely available in professional publication work. Focus is on producing content for reader-oriented publications. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual. This course is part of CTE's Secondary Pathways, and aligns with Digital Media & Communications Pathway Level 2. **Students will demonstrate their understanding of a variety of programs and occupations in print media using industry standard digital tools. Students will learn about topics such as photojournalism, interviewing, copywriting and editing, caption and headline writing, design and layout, as well as participate in hands-on lab experiences in verbal and visual community reporting. This course is the prerequisite for Print Media II and Online Media.**

Print Media II

- Course 191089 A / B
- Grades: 9 - 12
- Prerequisites: Print Media I or recommendation from middle school yearbook teacher
- Length of course: 1 year/2 credits
- Materials fee: \$15
- Description and credit type: (core elective) H

This course is recommended for students who have completed Print Media I and who want to develop their leadership skills while expanding on various modes of reporting and creating print media for specific audiences. Instruction will be paired with hands-on lab experiences in community reporting. This course is part of CTE's Secondary Pathways and aligns with Digital Media & Communications Pathway Level 3. **This class is responsible for the production of the school's yearbook. Students will learn various types of software involved in publishing as well as basic principles of journalism, publishing, and layout design. Students will apply principles of journalism, publishing, layout, and photography. Students will attend scheduled conferences and activities during and outside of school hours. There will be work sessions and yearbook assignments outside of regular class hours necessary to provide coverage of school events and to meet publishing deadlines. This class may be taken more than once for credit.**

Online Media

- Course 109095 A / B
- Grades: 10-12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (core or unrestricted elective) H

Students demonstrate their understanding of a variety of programs and occupations in online media using digital tools that are widely available in professional media work. Focus is on producing content for online consumer-oriented platforms. Instruction will be paired with hands-on lab experiences in community

reporting, both verbal and visual. This course is part of CTE's Secondary Pathways, and aligns with Digital Media & Communications Pathway Level 2. **This class is responsible for the production of the school's main social media pages (Instagram and Facebook) as well as the production of content for the weekly newsletter. Students will learn various types of software involved in publishing as well as basic principles of journalism, publishing, copy writing, and layout design. Students will learn proper techniques in digital citizenship and online media ethics. This class may be taken more than once for credit.**

Language

American Sign Language 1

- Course 062095 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

American Sign Language is a manual language which entails vocabulary, grammar, sentence structure, and body movement to express meaning for communication. Lessons or units also include cultural aspects to help the student understand and interact with the Deaf. Students are introduced to these aspects in units, which are ordered in a manner to build upon the previous units. Lessons are structured around language needed or common life situations. Major concepts are reinforced through reading materials, video, cooperative learning activities, and long-term assignments. All assignments are introduced to fulfill District 20's standards for world language. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your future college to confirm their World Language expectations. The ASL-CTE program also offers ASL dual enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability.**

American Sign Language 2

- Course 062096 A / B
- Grades: 9 – 12
- Prerequisite: A grade of C or higher in ASL 1 is recommended
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

American Sign Language (ASL) is a manual language which entails vocabulary, grammar, and sentence structure as well as body movement to express meaning for communication. ASL II will build upon ASL I with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your college of choice to confirm their World Language expectations. The ASL-CTE program also offers ASL dual enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability. This program offers work-based learning experiences in ASL interpreting, teaching, and other ASL-related careers to prepare students for future jobs and college.**

American Sign Language 3

- Course 062097 A / B
- Grades: 10 – 12
- Prerequisite: A grade of C or higher in ASL 2 is recommended
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

American Sign Language (ASL) is a manual language which entails vocabulary, grammar, and sentence structure as well as body movement to express meaning for communication. ASL III will build upon ASL II with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your college of choice to confirm their World Language expectations. The ASL-CTE program also offers ASL dual enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability. This program offers work-based learning experiences in ASL interpreting, teaching, and other ASL-related careers to prepare students for future jobs and college.**

American Sign Language 4

- Course 062100 A / B
- Grades: 11 – 12
- Prerequisite: A grade of C or higher in ASL 3 is recommended
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

ASL IV continues from ASL I, II, and III to provide further study of American Sign Language (ASL) and its grammar, syntax and cultural features. ASL IV helps students develop competency and fluency in the language. Variations in ASL are addressed. Students are provided with an opportunity to recognize the impact of Deaf Culture on emerging ASL literature. The course includes non-fiction, fiction, poetry, and drama depicted in reading and videotapes related to everyday lives of Deaf people. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your college of choice to confirm their World Language expectations. The ASL-CTE program also offers ASL dual enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability. This program offers work-based learning experiences in ASL interpreting, teaching, and other ASL-related careers to prepare students for future jobs and college.**

English – Course Descriptions

English 1

- Course 050080 A / B
- Grade: 9
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (English) H ¹

This course emphasizes student proficiencies in grammar, writing, reading, speaking, listening, vocabulary and spelling. Students will learn the elements of literature and the writing process.

English 2

- Course 050085 A / B
- Grade: 10
- Prerequisite: English 1 or equivalent
- Length of course: 1 year/2 credits
- Description and credit type: (English) H ¹

Students will explore and analyze a variety of literary forms and genres. Students will further develop their vocabulary, grammar, writing and oral communication skills.

American Literature & Composition

- Course 053145 A / B
- Grade: 11
- Prerequisite: English 1 and 2 or equivalent
- Length of course: 1 year/2 credits
- Description and credit type: (English) H ¹

This course emphasizes the study of American literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills. **This course will meet the English requirement for 11th grade. This course emphasizes the Literature of America. In this course, students will read, study the components of, and interpret representative works of American Literature. Students will sharpen critical thinking skills, strengthen writing skills, and utilize various rhetorical strategies. In addition, this course will prepare students for subsequent English Language Arts and 21st Century competencies.**

Composition and Literature 4

- Course 050025 A / B
- Grade: 12
- Prerequisite: American Literature and Composition or equivalent
- Length of course: 1 year/2 credits
- Description and credit type: (English) H ¹

This class prepares seniors for freshman college English composition courses and introduces a spectrum of traditionally canonical literature with which college-bound students are expected to be familiar. Students will write analyses of literature as well as a variety of essays including narration, description, persuasion and exposition. **This course will familiarize students with the insights of major literary periods of literature and introduce a spectrum of contemporary works. Students will engage in analyses of literature, reading literature from a variety of perspectives, and compose varied writing assignments.**

AP English Language and Composition²

- Course 053175 A / B
- Grades: 11 – 12
- Prerequisite: English 1 and 2 or equivalent
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (English) H ¹

The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively. At the conclusion of this course, students will be prepared for and expected to take the AP exam for potential college credit. This is a college course that emphasizes a study of rhetoric and both nonfiction and fiction writing and analysis. **This course requires the purchase of additional novels. A limited number of books are available for checkout at no cost but borrowed materials may not be annotated. The required reading list will be available on the RHS website.**

AP English Literature and Composition²

- Course 054000 A / B
- Grade: 12
- Prerequisite: American Literature and Composition, or AP Language and Composition
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (English) H ¹

At the conclusion of this course students will be prepared for and expected to take the AP exam for potential college credit. AP courses are not college preparatory – they are considered college-level courses. Students engage in careful reading and critical analysis of imaginative literature from a variety of perspectives and for a variety of audiences. **This course requires the purchase of additional novels. A limited number of books are available for checkout at no cost but borrowed materials may not be annotated. The required reading list will be available on the RHS website.**

AP Seminar²

- Course 050010 A / B
- Grades: 10 – 12
- Prerequisite: English 1
- Length of course: 1 year/2 semesters
- Description and credit type: (core elective) H

This foundational course in AP Capstone provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. **Through inquiry-based learning, students move beyond surface-level understanding to investigate compelling questions and tackle issues that don't have easy answers. Students will have the opportunity to pursue topics they care about, engage in meaningful discussion, and share ideas in ways that feel authentic and meaningful.**

Speech

- Course 055000
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (core elective) H ¹

This course includes writing and delivering speeches for a variety of purposes. Students will develop communication and public speaking skills including audience analysis, organization, content, and delivery.

Mythology

- Course 053500
- Grades: 10 – 12
- Prerequisite: English 1 or equivalent
- Length of course: 1 semester/1 credit
- Description and credit type: (core elective) H ¹

Students will study connections between classical myths and myths of modern culture. **Students will read "ancient" myths from around the world, medieval hero tales, and folk tales. The class will also compare modern "mythology" in the form of films. This class will cover literature from King Arthur to The Wizard of Oz to The Lord of the Rings and will analyze the importance of myth to all cultures, even our current, technology-driven society.**

Creative Writing 1

- Course 054200
- Grades: 10 – 12
- Prerequisite: English 1 or equivalent
- Length of course: 1 semester/1 credit
- Description and credit type: (core elective) H ¹

In this course, students will explore many writing genres. The goal of the course is to help students identify quality writing and to realize the importance of accurately observing and interpreting their surroundings.

Contemporary Literature

- Course 053200
- Grades: 11 – 12
- Prerequisite: English 1 and 2 or equivalent
- Length of course: 1 semester/1 credit
- Description and credit type: (core elective) H ¹

Through this course students will develop an understanding of trends in fiction, drama, film, personal essay, and poetry. Reading materials will be selected from a variety of print genres. Analysis and class discussion of texts and writing about social issues will be emphasized.

Film as Literature 1

- Course 053900
- Grades: 11 – 12
- Prerequisite: English 1 and 2 or equivalent
- Length of course: 1 semester/1 credit
- Description and credit type: (core elective) H

Through this course students will analyze film as a record of human experience while focusing on the literary elements inherent in the film genre.

Mathematics – Course Descriptions

Calculator Use Policy: Students need to have a calculator for all math classes. Since calculators are becoming more advanced, they can give an unfair advantage. Therefore, teachers may restrict students' use of certain types of calculators. For example, the TI-89 has symbolic algebraic manipulation capabilities, and its use may be limited. Suggestions:

- For math levels below Algebra 2, students need at least a scientific calculator.
- For Algebra 2 and above, students should have a graphing calculator. The TI 83 or TI 84 is recommended.

Algebra 1

- Course 111100 A / B
- Grades: 9 – 10
- Prerequisites: Pre-Algebra, Applied Algebra
- Length of course: 1 year/2 credits
- Description and credit type: (math or core elective) H ¹

Topics consisting of analyzing and solving linear equations, pairs of simultaneous linear equations and functions will be further developed. Students will construct, compare, solve, and analyze linear, quadratic, and exponential functions and inequalities as well as perform arithmetic operations on polynomials. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Algebra 2

- Course 111200 A / B
- Grades: 9 – 12
- Prerequisite: Geometry or equivalent
- Length of course: 1 year/2 credits
- Description and credit type: (math or core elective) H ¹

Topics consisting of linear, quadratic and exponential functions and trigonometric ratios will be further developed. Students will interpret, analyze, model, and transform polynomial, rational, trigonometric, and radical functions. Students will solve and justify solutions for polynomial functions including real and complex solutions. Students will solve exponential and logarithmic functions using appropriate technology. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Algebra 3

- Course 111300 A / B
- Grades: 9 – 12
- Prerequisite: Algebra 2 or equivalent
- Length of course: 1 year/2 credits
- Description and credit type: (math or core elective) H ¹

Algebra 3 review and strengthens topics covered in Algebra 2. Further study in trigonometric functions, sequences and series, and conic sections prepares students for success in pre-calculus.

Algebra 1 / Geometry Combo Course

- Grade: 9
- Prerequisites: Pre-Algebra, Linear Algebra, or equivalent
- Length of course: 1 year/4 credits
- Description and credit type: (math) H ¹

Algebra 1

- Course 111100 AB

Topics consisting of analyzing and solving linear equations, pairs of simultaneous linear equations and functions will be further developed. Students will construct, compare, solve, and analyze linear, quadratic, and exponential functions and inequalities as well as perform arithmetic operations on polynomials. Students will also summarize, represent, and interpret data, including Personal Financial Literacy topics. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Geometry

- Course 116010 AB

Topics consisting of Pythagorean Theorem, congruence and similarity will be further developed. Students will prove geometric theorems involving similarity, transformation, and congruence of two-dimensional and three-dimensional figures using inductive and deductive reasoning and constructions. Students will solve problems and model real-world situations involving two-dimensional and three-dimensional figures, trigonometric ratios, probability, and Personal Financial Literacy. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Geometry

- Course 116010 A / B
- Grades: 9 – 12
- Prerequisite: Algebra 1 or equivalent
- Length of course: 1 year/2 credits
- Description and credit type: (math or core elective) H ¹

Topics consisting of Pythagorean Theorem, congruence and similarity will be further developed. Students will prove geometric theorems involving similarity, transformation, and congruence of two-dimensional and three-dimensional figures using inductive and deductive reasoning and constructions. Students will solve problems and model real-world situations involving two-dimensional and three-dimensional figures, trigonometric ratios, probability, and Personal Financial Literacy. Students who are mathematically proficient will demonstrate characteristics defined by the Standards for Mathematical Practice.

Algebraic Business Calculations

- Course 111915 A / B
- Grade: 12
- Prerequisites: Algebra 1, Geometry
- Length of course: 1 year/2 credits
- Description and credit type: (math or core elective) H

Students will learn money-saving tips and business strategies as they apply math to common business transactions. Students will learn about their personal earning power, payroll, banking, savings, compound interest, business costs, consumer credit, credit cards, lottery winnings and annuities, loans, costs of buying a car and home, investments, stocks, bonds, insurance, and financial reporting. The subject material will be

taught at the college prep level; however, the instructor will progress at a speed suitable for high school students.

Statistics

- Course 117000 A / B
- Grades: 11 – 12
- Prerequisites: Geometry
- Length of course: 1 year/2 credits
- Description and credit type: (math or core elective) H ¹

Statistical concepts to construct simple surveys and experiments will be used to analyze data. Basic statistics covers the collection, organization, and analysis of data. **Topics include quantitative data descriptions, sampling techniques, frequency distributions, measures of central tendency and variability, and elementary probability. Students also will make inferences using multiple statistical models. A TI 83 or TI 84 calculator is required for this course.**

AP Statistics²

- Course 117005 A / B
- Grades: 10 – 12
- Prerequisite: Algebra 2 or equivalent
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (math or core elective) H ¹

Advanced Placement Statistics is a course that covers topics related to the collection, organization, and analysis of data. Topics include descriptive statistics, probability, simulation, binomial and normal distributions, hypothesis testing, and statistical inference. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement exam for potential college credit. **A TI 83 or TI 84 calculator is required for this course.**

AP PreCalculus²

- Course 113190 A / B
- Grades: 9 – 12
- Prerequisite: Algebra 2 or Algebra 3 with a grade of “C” or higher is required for this class
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (math or core elective) H ¹

Students in AP Precalculus will focus on functions modeling dynamic phenomena. Students will develop and hone symbolic manipulation skills, including solving equations and manipulating expressions, and will learn that functions and their compositions, inverses, and representations, are useful for solving problems in mathematical and applied contexts. Students will apply the skills learned to situations that involve quantitative reasoning. Topics include polynomial, rational, exponential, logarithmic, trigonometric, polar and functions involving parameters, vectors, and matrices. These topics are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science.

AP Calculus AB²

- Course 113100 A / B
- Grades: 10 – 12
- Prerequisite: AP Pre-Calculus or equivalent
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (math or core elective) H ¹

Advanced Placement Calculus AB builds upon algebraic and geometric principles covered in Pre-Calculus. Applications involve limits, differentiation, and integration tied to topics including related rates, graphical analysis, integral areas, and volumes of revolution. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement Calculus AB exam for potential college credit. **A TI 83 or TI 84 calculator is required for this course.**

AP Calculus BC²

- Course 113200 A / B
- Grades: 10 - 12
- Prerequisite: AP Calculus AB or equivalent
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (math or core elective) H ¹

Advanced Placement Calculus BC builds upon algebraic and geometric principles covered in Pre-Calculus. This course covers all of the topics in Advanced Placement Calculus AB with further investigation into vectors, parametric equations, infinite series, and differential equations. At the conclusion of this course, students will be prepared for and expected to take the Advanced Placement Calculus BC exam for potential college credit. **A TI 83 or TI 84 calculator is required for this course.**

Physical Education – Course Descriptions

Intro to PE

- Course 080000
- Grade: 9
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education)

This is a recommended freshman class in which the student will assess personal fitness status in terms of cardiovascular endurance, muscular strength and endurance, and flexibility. Students will be introduced to various team and aquatic (where facilities are available) activities on the introductory level.

Health and Wellness

- Course 081000
- Grade: 9
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (health)

Health and Wellness or Modified Health and Wellness is a graduation requirement for Academy District 20 and is to be taken during the freshman year. Students will be introduced to the social, physical, mental and emotional aspects of healthy lifestyles. This course includes human sexuality.

Total Fitness/Women 1

- Course 083210
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This class will incorporate various types of fitness activities aimed at improving cardiovascular fitness, flexibility, and strength. Activities may include floor aerobics, kickboxing, Tae-Bo, running, hiking, walking, interval training, resistance strength training, Pilates, yoga, slide training, fit ball, and biking. **Students may be required to participate in a pool component for this course.**

Women Weight and Fitness

- Course 083225
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This class will focus on activities to enhance physical fitness: strength, speed, and endurance. Students will gain an appreciation of exercise for life-long fitness. Strength training, utilizing a weights program combined with supplemental lifts and exercises, is the basis of the class. Running, plyometrics, agility, flexibility work, and speed development activities are utilized in the class. Knowledge of muscle groups and specific

exercises to enhance muscular development are included. **Students may be required to participate in a pool component for this course.**

Weights and Fitness 1

- Course 083215
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This class will focus on activities to enhance physical fitness: strength, speed, and endurance. Students will gain an appreciation of exercise for life-long fitness. Strength training, utilizing a weight program combined with supplemental lifts and exercises, is the basis of the class. Running, plyometrics, agility, flexibility work, and speed development activities are utilized in the class. Knowledge of muscle groups and specific exercises to enhance muscular development are included.

Weights and Fitness 2

- Course 083220
- Grades: 10 – 12
- Prerequisite: Weights and Fitness 1 or Women Weight and Fitness
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This class continues to build on the foundation established in Weights and Fitness 1. Strength training, utilizing an advanced weights program combined with supplemental lifts and exercises is the basis of the class. Running, plyometrics, agility and flexibility work, and speed development activities will continue to be utilized.

Sports Training 1

- Course 083265
- Grades: 10 – 12
- Prerequisite: Weights 1 or instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This course will focus on developing the basic physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries, and gaining an appreciation for lifelong fitness. The course will emphasize improving total body strength and power, speed, agility, flexibility through basic free weights exercises, calisthenics, plyometrics, and teaching proper running mechanics. **Students may be required to participate in a pool component for this course.**

Sports Training 2

- Course 083270
- Grades: 10 – 12
- Prerequisite: Sports Training 1
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This course will focus on further developing the physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries, and gaining an understanding to impact lifelong fitness. The course will emphasize improving total body strength and power, speed, agility, flexibility through application of advanced training principles and training methodologies in progression of complexity from those in Sports Training 1. **Students may be required to participate in a pool component for this course.**

Sports Training 3

- Course 083275
- Grades: 10 – 12
- Prerequisite: Sports Training 2
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This course will focus on further developing the physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries. Building in complexity from Sports Training 2, the course will emphasize improving total body strength and power, speed, agility, flexibility through application and evaluation of advanced training methodologies and current trends in the field of fitness science. **Students may be required to participate in a pool component for this course.**

Sports Training 4

- Course 083280
- Grades: 10 – 12
- Prerequisite: Sports Training 3
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This course will focus on further developing the physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries. Building in complexity from Sports Training 3, the course will emphasize improving total body strength and power, speed, agility, flexibility through application and evaluation of advanced training methodologies and current trends in the field of fitness science. **Students may be required to participate in a pool component for this course.**

Sports Training 5

- Course 083285
- Grades: 10 – 12
- Prerequisite: Sports Training 4
- Length of course: 1 semester/1 credit
- Materials fee: \$5
- Description and credit type: (physical education or unrestricted elective)

This course will focus on further developing the physical attributes of athleticism with the goal of improving athletic performance, reducing the risk of sport related injuries. Building in complexity from Sports Training 4, the course will emphasize improving total body strength and power, speed, agility, flexibility through application and evaluation of advanced training methodologies and current trends in the field of fitness science. **Students may be required to participate in a pool component for this course.**

Co-Ed Cross Training

- Course 083000
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This course is specifically designed to provide all students with a personal fitness plan. Students will monitor their individual aerobic and anaerobic fitness progress. Students will be introduced to a variety of activities such as water aerobics, weight training, plyometrics, flexibility, jogging and much more. “Be fit, never quit” is a major lifetime goal for all in this class. Nutrition and proper eating habits will be detailed. **Students may be required to participate in a pool component for this course.**

Athletic Training

- Course 083400
- Grades: 10 – 12
- Prerequisite: Health and Wellness or instructor approval
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This course allows an opportunity for students who have an interest in the field of sports medicine to learn basic techniques in Athletic Training. The course consists of training room management, wrapping and taping techniques, emergency care, rehabilitation, injury prevention, treatment of injuries, nutrition, and conditioning. Students have an opportunity to work with athletic teams.

Basketball: Shooting Stars

- Course 083405
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This course is designed for the sincere hoopster. Individual fundamental skills, screening techniques, and various offensive and defensive systems are taught under intensive conditions. Students must want to learn, work hard, and improve their game.

Power Volleyball

- Course 083410
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This course is designed for the student with strong basic volleyball skills. The course concentrates on competitive skills, techniques, and strategies. The course will include indoor and outdoor play with various offensive and defensive systems.

Racquet Sports 1

- Course 083525
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

The student will demonstrate fundamentals of tennis, badminton, table tennis, racquet ball and pickleball. These activities will enhance eye/hand coordination, agility, quickness, flexibility, and mental strategies. Conditioning and fitness will be included through various game and aerobic activities.

Lifelong Team Sports 1

- Course 083800
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

The learner will demonstrate the fundamentals and basic skills in many of the following recreational activities: basketball, flag football, floor hockey, soccer, softball, team handball and volleyball. The learner will participate cooperatively and ethically when in competitive physical activities. Conditioning and fitness through various activities will be required. **Students may be required to participate in a pool component for this course.**

Lifelong Recreation Sports

- Course 084000
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This class places an emphasis on lifelong activities that may include activities such as golf, archery, bowling, cycling, tennis, aerobics, roller skating, badminton, aquatic activities, board games, juggling, weights and other special recreational activities. Conditioning and fitness will be included through various aerobic activities. **Students may be required to participate in a pool component for this course.**

Rocky Mountain High 1

- Course 083600
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (physical education or unrestricted elective)

This class offers different activities that are geared to enhance the student's self-confidence, social awareness, problem solving, and leadership potential. The activities may include team-building initiatives, low and high ropes course elements, climbing, rappelling, belaying, and orienteering. Students may be required to keep a journal for the class. **Students may be required to participate in a pool component for this course.**

Rocky Mountain High 2

- Course 083605
- Grades: 11 – 12
- Prerequisite: Rocky Mountain High 1 and instructor approval
- Length of course: 1 semester/1 credit
- Materials fee: \$35
- Description and credit type: (physical education or unrestricted elective)

This is an advanced class which may cover group initiatives, advanced ropes course elements, intermediate and advanced climbing techniques, rappelling, orienteering, kayaking, snowshoeing, camping, backpacking, outdoor survival, leadership, and wilderness first aid. Students need to be highly motivated toward outdoor adventure activities and are strongly encouraged to attend each of the culminating field trips.

Lifeguard

- Course 082800
- Grades: 10 – 12, 15 years or older
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$65
- Description and credit type: (physical education or unrestricted elective)

Students must be at least 15 years old. There will be an entry-level swimming test. There will be a Red Cross fee for books that students will retain. Upon successful completion of the course, students will receive Red Cross certification in Lifeguard Training and CPR for the professional rescuer. **Students must be able to complete a continuous 150 yard swim and 2 minute tread without hands.**

Aquatic Sports and Conditioning

- Course 083100
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This class will include swimming instruction, aquatic sports, aquatic games, conditioning in and out of the pool, and aerobics.

Aquatic Sports 2

- Course 083102
- Grades: 10 – 12
- Prerequisite: Aquatic Sports and Conditioning
- Length of course: 1 semester/1 credit
- Description and credit type: (physical education or unrestricted elective)

This course will include advanced swimming strokes and skills, aquatic sports, advanced aquatic games, and conditioning in and out of the pool.

Peer PE

- Course 083005
- Grades: 10 – 12
- Prerequisite: 1 semester of PE and instructor approval (application needed) - for Peer Partners only.
- Length of course: 1 semester/1 credit
- Materials fee: Field Trip Fee TBA
- Description and credit type: (physical education or unrestricted elective)

This course is designed for those students requiring individualized instruction in Physical Education. Students in this course will participate in activities that incorporate team and individual sport skills, strategies in teamwork and problem solving, and provide training in skills needed for leisure activities. In addition, students will be provided the opportunity to improve and maintain physical fitness as well as develop an appreciation for lifelong physical fitness. Peer Partners will fully participate in all activities with their peer student.

Science - Course Planning

Freshman Year: Choose from one of the following two branches (Life Science or Physical Science) and then pick one of the course offerings within it. **For example, if you choose Biology from the Life Science Branch your Freshman year, you will need to pick a Physical Science Branch course your Sophomore year.**

Life Science Branch: (pick one course below)

- Biology
- AP Biology (Completion of Chemistry is needed)
- AP Environmental Science

OR

Physical Science Branch: (pick one course below)

- Chemistry
- Physics
- AP Chemistry
- AP Physics 1 (Algebra 2 or higher concurrently)

Sophomore Year: Students must choose a class from the branch (Life Science or Physical Science) that was not chosen their Freshman year.

Life Science Branch: (pick one course below)

- Biology
- Anatomy and Physiology (Biology is needed)
- AP Biology (Chemistry is needed)
- AP Environmental Science

OR

Physical Science Branch: (pick one course below)

- Chemistry
- Physics
- AP Chemistry
- AP Physics 1 (Algebra 2 or higher concurrently)
- AP Physics C (must have taken Physics or AP Physics 1)

Students may also add one of the classes below to their schedule, however, it must be in addition to the Life Science or Physical Science course they have chosen.

Non-Life and Non-Physical Science Elective Class:

- Astronomy 1

Junior Year:

Life Science Classes:

- Biology
- Anatomy and Physiology (Biology is needed)
- Environmental Science
- AP Biology (Chemistry is needed)
- AP Environmental Science

Physical Science Classes:

- Chemistry
- Physics
- AP Chemistry
- AP Physics 1 (Algebra 2 or higher concurrently)
- AP Physics C (must have taken Physics or AP Physics 1)

Non-Life and Non-Physical Science Elective Classes:

- Astronomy 1
- Earth Science
- Forensic Science 1
- Practical Science & Engineering 1 & 2

Senior Year:

Life Science Classes:

- Biology
- Anatomy and Physiology (Biology is needed)
- Environmental Science
- AP Biology (Chemistry is needed)
- AP Environmental Science

Physical Science classes:

- Chemistry
- Physics
- AP Chemistry
- AP Physics 1 (Algebra 2 concurrent at least)
- AP Physics C (must have taken Physics or AP Physics 1)

Non-Life and Non-Physical Science Elective Classes:

- Astronomy 1
- Earth Science
- Forensic Science 1 & 2
- Practical Science & Engineering 1 & 2
- Practical Science & Engineering 3 & 4

Science – Course Descriptions

Biology

- Course 132015 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (science) H ¹

Biology provides crucial background in the life sciences arena. Topics covered include basic cell structure, function, and processes; genetics; microbiology; evolutionary concepts and trends; taxonomy of plants and animals (including dissection); basic vertebrate and invertebrate biology; basic ecology; and human biology. This course focuses on the world around us through a lab component.

AP Biology²

- Course 132025 A / B
- Grades: 9 – 12
- Prerequisite: Chemistry
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: \$20, AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (science or core elective) H ¹

AP Biology meets the objectives of a college level general biology course. Topics covered include molecular biology, genetics, evolution, animals, and plants. Tests are the major form of evaluation. This course has a lab component. At the conclusion of this course students will be prepared for and expected to take the Advanced Placement exam for potential college credit.

Chemistry

- Course 133115 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (science) H ¹

Chemistry is the study of the properties, changes and interactions of matter. Topics covered include principles of chemical change, chemical formulas, equations and their application, atomic theory, the Periodic Table, acids and bases, phases of matter, solutions, and thermodynamics. There is a significant laboratory component to this course as well as the ability to use mathematics to solve problems.

AP Chemistry²

- Course 133125 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: \$20, AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (science or core elective) H ¹

AP Chemistry is a problem-solving and lab-oriented class that meets the objectives of a college level general chemistry course. This course expands and amplifies concepts learned in high school chemistry and covers additional advanced topics and topics relevant to our technological society. Topics covered include structure of matter, states of matter, reactions, descriptive chemistry, and laboratory exploration. At the conclusion of this course students will be prepared for and expected to take the Advanced Placement exam for potential college credit. **AP Chemistry is a rigorous course that moves at a college level pace. Students are expected to spend at least an additional 4 – 5 hours per week outside of regular class time on reading and assignments. It is imperative that students are self-motivated and independent learners in order to be successful.**

Anatomy and Physiology

- Course 132000 A / B
- Grades: 10 – 12
- Prerequisite: Biology with a “C” or better, instructor approval, or counselor’s approval
- Length of course: 1 year/2 credits
- Materials fee: \$15
- Description and credit type: (science or core elective) H ¹

Anatomy and Physiology students study the major systems of the human body. Topics covered include the basic anatomical make-up of the body’s organs, as well as how these organs function. There is a significant laboratory component to this course, including microscopic work, and dissection. Lectures, videos, and research will be used.

Environmental Science

- Course 132405 A / B
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (science or core elective) H ¹

Environmental Science explores the natural world from an ecological and human point of view. Topics covered include types of ecosystems, non-living and living components of ecosystems (including plants, animals, bacteria, fungi, and single-celled organisms), interactions between the non-living and living components, population studies, and animal behavior. In addition, this course also examines discussions on environmental law, economics, ethics, and how humans are impacting the natural world. Lab investigations, field studies, and research projects are undertaken to examine each topic. **Topics covered include the living world, energy, population studies, land and water uses, and pollution. Local ecology will be a primary emphasis, as we study their interactions and connections. Field trips may be a possibility.**

AP Environmental Science²

- Course 132410 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: \$20, AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (science or core elective) H ¹

AP Environmental Science meets the objectives of a college level introductory course. Topics covered include interdependence of earth's systems (energy, matter, soils, air, water, and organisms) human population dynamics (human fertility issues are covered), renewable and nonrenewable resources, pollution, global changes (acid rain, greenhouse effect, ozone layer depletion), and environment and society choices for the future (conservation, preservation, remediation, and sustainability). This course has a lab component.

All students are expected to take the AP exam for the purpose of earning college credit.

Physics

- Course 133200 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (science or core elective) H ¹

Physics is a lab-based course that explores the science of matter and energy and the interactions between the two. Topics include kinematics, Newton's 3 laws of motion, momentum, energy, the principles of waves, light, magnetism, electricity, optics, and celestial mechanics. The ability to use mathematics to solve experimental problems is emphasized.

AP Physics 1²

- Course 133213 A / B
- Grades: 9 – 12
- Prerequisite: Algebra 2 or concurrent
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: \$20, AP exam(s) cost of \$115 (financial assistance available if qualified)
- Description and credit type: (science or core elective) H ¹

This algebra-based course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. This course has a lab component. **The College Board requires a minimum of 25% of class time be dedicated to applying lab skills. These will include the use of computer-based data collection, advanced graphing skills, and effective communication of results via written-communication. Students should have a strong foundational knowledge of Algebra II, basic lab skills, and problem-solving techniques. Heavy emphasis on quantitative calculations, problem solving, and the application of multiple concepts is required throughout the course. Students are expected to take the AP Physics 1 exam.**

AP Physics C²

- Course 133212 A / B
- Grades: 10 – 12
- Prerequisite: Physics or AP Physics 1
- Co-requisite: Calculus, concurrent enrollment
- Length of Course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: \$20, AP exam(s) cost of \$115 – 2 exams offered (financial assistance available if qualified)
- Description and credit type: (science or core elective) H ¹

AP Physics C meets the objectives of a college level general physics course. Topics covered include mechanics (kinematics, dynamics, statics, rotational mechanics, and the conservation laws) and electromagnetic theory (electrostatics, circuits, and magnetism). All necessary calculus techniques are introduced, however, enrollment in calculus is required as a pre-requisite or co-requisite. This course has a lab component. At the conclusion of this course students will be prepared to take the Advanced Placement exam for potential college credit. **Some labs may need to be completed outside of the regular classroom.**

Astronomy 1

- Course 134105 A / B
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (science or core elective) H ¹

Astronomy 1 students study the matter of outer space. Topics include the history of the solar system, the forces of motion, physics of light, measurement of astronomical distances, planetary geology, and stellar life. Students learn to identify constellations by their patterns and the mythology that accompanies them. This course teaches chemical and physical processes using the cosmos for their application. Concepts are explored through hands-on lab experiences. **Sophomores may add this class to their schedule, however, it must be in addition to the Life Science or Physical Science course they have chosen.**

Practical Science and Engineering 1

- Course 133900
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Materials fee: \$25
- Description and credit type: (science or core elective) H ¹

This course is designed for 11th / 12th grade students interested in applying concepts that they have studied in their previous science course work toward practical engineering applications. Course is hands-on with the emphasis on student projects. Topics to be covered include, but are not limited to: engines and rockets, structural engineering, energy and fuels, and optical instrumentation. This course has a lab component.

Practical Science and Engineering 2

- Course 133901
- Grades: 11 – 12
- Prerequisite: Practical Science and Engineering 1
- Length of course: 1 semester/1 credit
- Materials fee: \$25
- Description and credit type: (science or core elective) H ¹

This course is designed for 11th and 12th grade students interested in applying concepts that they have studied in their previous science course work toward practical engineering applications. Course is hands-on with the emphasis on student projects. Topics to be covered include, but are not limited: to forensic science, atmospheric science and climate change, solutions chemistry and fluid dynamics, and batteries and fuel cells.

Practical Science and Engineering 3

- Course 133904
- Grade: 12
- Prerequisite: Practical Science and Engineering 2
- Length of course: 1 semester/1 credit
- Materials fee: \$25
- Description and credit type: (science or core elective) H ¹

Students apply concepts that they have studied in their practical science and engineering course work toward more advanced engineering applications. **This course is designed for 11th/12th grade students interested in applying concepts that they have studied in their previous science course work toward practical engineering applications. Course is hands-on with the emphasis on student projects. Topics to be covered include, but are not limited to forensic science, energy and fuels, engines, and rockets.**

Practical Science and Engineering 4

- Course 133905
- Grade: 12
- Prerequisite: Practical Science and Engineering 3
- Length of course: 1 semester/1 credit
- Materials fee: \$25
- Description and credit type: (science or core elective) H ¹

Students apply concepts that they have studied in their practical science and engineering course work toward more advanced engineering applications. **This course is designed for 11th/12th grade students interested in applying concepts that they have studied in their previous science course work toward practical engineering applications. Course is hands-on with the emphasis on student projects. Topics to be covered include, but are not limited to structural engineering, atmospheric science and climate change, optical instrumentation, solutions chemistry and fluid dynamics, and batteries and fuel cells.**

Earth Science

- Course 134000 A / B
- Grades: 11– 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (science or core elective) H ¹

Earth Science is a lab-centered course covering subjects in geological and astronomical science. In addition, Earth Science explores how science, technology, and human activity can affect the world.

Forensic Science

- Course 139000 A / B
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (science or core elective) H ¹

Forensic Science is a year-long lab-based science course. The course will focus on crime scene investigations, evaluation of evidence, and presentation of findings in the appropriate settings. Topics covered will include the legal aspects and technology of forensic science; trace evidence; serology; forensic anthropology; DNA analysis; glass, paint, and soil analysis; toxicology; questioned documents and handwriting; ballistics, tool marks, and arson; and forensic science in the media and in popular culture. This course will position students to pursue further studies in biology, chemistry, physics, and related fields.

Forensic Science 2

- Course 139002 A / B
- Grade: 12
- Prerequisite: Successful completion of Forensic Science 1
- Length of course: 1 year/2 credits
- Description and credit type: (science or core elective) H ¹

Forensic Science 2 is a year-long lab-base science course. A comprehensive course offered as a second-level high school course in forensic science, students will have the opportunity to expand their knowledge of chemistry, biology, physics, human anatomy, and entomology. Topics that will be covered are forensic anthropology and pathology, forensic entomology, glass analysis and soils, dental impressions, firearms, tool marks, arson and explosives, forensic psychology, cybercrimes, and forensics in the media.

Individuals & Societies – Course Descriptions

World Regional Geography

- Course 154000 A / B
- Grade: 9
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (social studies) H ¹

World Regional Geography develops a view of the world through the study of cultural and physical geography. Emphasis is placed on our natural environment, cultural regions, and geographic aspects of man's contemporary economic, social, and political conditions. Interrelationships of climate, vegetation, soils, landform, and environmental impacts are studied. Map reading, map interpretation, and the skills necessary to accomplish these tasks are studied.

AP Human Geography²

- Course 154200 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fees: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (social studies or core elective) H ¹

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. **All students are expected to take the AP exam for the purpose of earning college credit.**

World History/Geography

- Course 155905 A / B
- Grade: 10
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (social studies or core elective) H ¹

This course examines the major developments of world history. Students will learn cause and effect relationships with an emphasis on political, economic, geographic, and social forces that shape the modern world.

AP World History: Modern²

- Course 155913 A / B
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (social studies or core elective) H ¹

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

AP European History²

- Course 155000 A / B
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (social studies or core elective) H ¹

AP European History meets the objectives of a college level course in European history. European history from 1400 to 1989 is covered. Students should expect considerable amounts of outside reading combined with the development of interpretive skills and analytic oral discussion. Students will develop and understand the themes in European history and will be able to analyze historical evidence (both primary documents and secondary works). Through analytical writing, students will demonstrate course understanding. All students are expected to take the AP exam for the purpose of earning college credit.

US History/Geography

- Course 155505 A / B
- Grades: 11 - 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (social studies) H ¹

US History/Geography is a survey course of US History from the pre-colonial period to the present. The course is designed to develop an understanding of the birth and growth of the US to include people of varied backgrounds. Emphasis is placed on the cause and effect of relationships found throughout our nation's history and geographical development as well as relationships between history and politics/economics.

AP US History²

- Course 155525 A / B
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (social studies or core elective) H ¹

AP US History meets the objectives of a college level US History course and meets the US History graduation requirement. This course covers the colonial period through the twentieth century incorporating critical essay writing and the interpretation of primary historical evidence. Supplemental reading of documents, essays, and books are used. All students are expected to take the AP exam for the purpose of earning college credit.

Civics and Law

- Course 157105
- Grades: 11 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (social studies) H ¹

Civics and Law provides a basic understanding of the design and operation of federal, state, and local governments. Relationships between the citizen and the government are explored, and the student develops an understanding of the significant role of the citizen in American democracy. The students become familiar with the American legal system and their rights and responsibilities as citizens. **This course meets the one semester graduation requirement in Civics.**

AP US Government and Politics²

- Course 157116 A / B
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (social studies or core elective) H ¹

This Advanced Placement course provides students with an analytical perspective on government and politics in the United States. Along the way, students will learn how to gather data about political behavior and develop their own theoretical analysis of American politics. This course includes both the general concepts used to interpret US politics and the analysis of specific examples. Students also explore the various institutions, groups, beliefs, and ideas that constitute U.S. politics. The equivalent of an introductory college-level political science course, AP US Government and Politics prepares students for the AP Exam and for further study in political science, law, education, business, and history. This course also meets graduation requirements for Civics. **All students are expected to take the AP exam for the purpose of earning college credit.**

Sociology

- Course 151000
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (social studies or core elective) H ¹

Sociology studies the basic components of society. Topics covered include culture, conformity and adaptation, family, cultural diversity, social movements, racial and ethnic relations and deviance and social control. Small and large group discussions are emphasized as are reading comprehension and writing skills.

Black History in America

- Course 155560
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (social studies or core elective) H ¹

Students will learn about Black History in America from slavery to modern times by exploring such topics as the origins of the slave plantation system and its evolution in the American South, the effects of the Civil War and Reconstruction in the years leading up to and throughout the Civil Rights movement, and the historical evolution of civil rights law through present day America. Students will apply this learning to examining America's black cultural heritage and contemporary issues in today's society.

International Relations

- Course 157310
- Grades: 10 – 12
- Prerequisite: None
- Length of Course: 1 semester/1 credit
- Description and credit type: (social studies) H ¹

In the International Relations class, students develop an understanding of current international politics and develop a basis for analyzing and evaluating decisions that affect the world states. Global interdependency is stressed in political, economic, and social relationships.

Psychology

- Course 158000
- Grades: 10 – 12
- Prerequisite: None
- Length of course: 1 semester/1 credit
- Description and credit type: (social studies or core elective) H ¹

Psychology studies the basic psychological theories and how they are applied. Possible topics of this survey course include neurobiology, sensation and perception, development, learning, memory, disorders and treatment, and social psychology. Discussion is an integral part of this class and students are expected to share ideas and be respectful of others' beliefs and opinions.

AP Psychology²

- Course 158010 A / B
- Grades: 10 – 12elect
- Prerequisite: None
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (social studies or core elective) H ¹

AP Psychology meets the objectives of a college level course in psychology. In this introductory course into the study of human and animal behavior and mental processes, students are introduced to psychological facts, and principles and phenomena associated with the different areas of psychology. Topics covered include the biology of behavior, sensation and perception, motivation and emotion, states of consciousness, development, abnormal behavior, therapy approaches, personality, and social psychology. All students are expected to take the AP exam for the purpose of earning college credit.

World Language – Course Descriptions

Seal of Biliteracy

Rampart High School recognizes and honors the work of students to obtain proficiency in English and another language by adopting the Seal of Biliteracy. Students who earn the Seal of Biliteracy will receive a gold seal on their diploma and will also wear the green cord during graduation. To earn this award, students must demonstrate proficiency in both English and another language. Rampart offers students the opportunity to earn the Seal of Biliteracy in ASL, Chinese, French, and Spanish.

- English – Students must demonstrate proficiency by completing all the English Language Arts courses required for graduation with an overall GPA of 3.0 or higher AND meet one of the requirements listed below:
 - SAT Evidence-Based Reading and Writing Exam – score 470 or higher;
 - AP English Language and Composition Exam or AP English Literature and Composition Exam – score 3 or higher;
 - IB English A, IB English Literature A, or IB English A1 Exam – score 4 or higher.
- 2nd Language – Students must demonstrate proficiency in a language other than English by achieving one of the following:
 - AP World Language Exam – score 3 or higher;
 - IB World Language (SL or HL) Exam – score 4 or higher;
 - World Language assessment– Intermediate mid or higher in speaking, listening, reading, and writing.

For more information, please visit the [D20 Seal of Biliteracy webpage](#) and the [Colorado Department of Education's Seal of Biliteracy webpage](#).

French 1

- Course 062000 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

Students learn to communicate in French using various methods. Simple conversational language and grammar related to personal interests and French culture are used to draw connections and make comparisons.

French 2

- Course 062002 A / B
- Grades: 9 – 12
- Prerequisite: French 1
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

Level 2 builds on skills and knowledge of level 1 with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements.

French 3

- Course 062003 A / B
- Grades: 9 – 12
- Prerequisite: French 2
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

In level 3, students will initiate and engage in increasingly complex conversations, express thoughts using higher level vocabulary in speaking and writing, and will develop increased accuracy in grammar and written conventions. Students will communicate in a variety of cultural contexts, extracting information from authentic sources.

French 4

- Course 062004 A / B
- Grades: 9 – 12
- Prerequisite: French 3
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

In this course students will apply accumulated skills and continue to develop higher level vocabulary, sentence structures, and patterns. Students will strengthen understanding of their own language while further expanding communication skills in familiar and unfamiliar contexts. Cultural experiences and knowledge are core components of this course. **This course is designed for highly-motivated students; it builds upon reading, writing, listening, speaking and cultural competency skills. Students should expect language immersion inside the classroom and should expect to attempt to understand and respond to standard speech on familiar topics. This course will enlarge and refine the students' vocabulary; students will improve their ability to understand and respond to the spoken and written language. The students continue exploring different Spanish-speaking cultures and work intensively on oral expression to improve their fluency. Novelettes, grammar practice, authentic resources, videos and at least one standard text are used. Units are thematic. Assessments may include projects. Technology use is common and expected at times.**

AP French Language²

- Course 062010 A / B
- Grades: 11 – 12
- Prerequisite: French 3
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (world language or core elective) H ¹

In this class, student communication, both written and oral, will be increasingly spontaneous, culturally appropriate, and developed at a higher level. Students will inquire, analyze, synthesize, and evaluate information from a variety of sources. **Students are encouraged to take the AP exam for the purpose of earning college credit.**

IB DP French II²

- Course 062019 A / B
- Grade: 12
- Prerequisite: IB DP French I and instructor approval
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Description and credit type: (world language or core elective) H ¹

This course is a continuation of the previous level of language within the Diploma Programme. **Students in IB DP French II are at the high end of the language spectrum. The course is designed for students with an already high level of competence and interest in the French language and it continues to emphasize the four primary language skills: listening, speaking, reading, and writing. The main focus of the course is on the reinforcement and refinement of language skills and there will be increased attention on French literature and handling literary texts, as well as print, audio, and audiovisual texts on a variety of current events and life topics. Students will be given the opportunity to explore the culture of the language, and to make connections between other languages and cultures with which they are familiar. Students will be able to use French for the purposes and in situations involving sophisticated discussion, argument, and debate. At the conclusion of this course students will be prepared for and encouraged to take the IB assessment for college credit.**

Spanish 1

- Course 062063 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

Students learn to communicate in Spanish using various methods. Simple conversational language and grammar related to personal interests and Spanish culture are used to draw connections and make comparisons.

Spanish 2

- Course 062067 A / B
- Grades: 9 – 12
- Prerequisite: Spanish 1
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

Level 2 builds on skills and knowledge of level 1 with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements.

Spanish 3

- Course 062071 A / B
- Grades: 9 – 12
- Prerequisite: Spanish 2
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

In level 3, students will initiate and engage in increasingly complex conversations, express thoughts using higher level vocabulary in speaking and writing, and will develop increased accuracy in grammar and written conventions. Students will communicate in a variety of cultural contexts, extracting information from authentic sources.

Spanish 4

- Course 062077 A / B
- Grades: 9 – 12
- Prerequisite: Spanish 3
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

In this class students will apply accumulated skills and continue to develop higher level vocabulary, sentence structures, and patterns. Students will strengthen understanding of their own language while further expanding communication skills in familiar and unfamiliar contexts. Cultural experiences and knowledge are core components of this class. **This course is designed for highly-motivated students; it builds upon reading, writing, listening, speaking and cultural competency skills. Students should expect language immersion inside the classroom and should expect to attempt to understand and respond to standard speech on familiar topics. This course will enlarge and refine the students' vocabulary; students will improve their ability to understand and respond to the spoken and written language. The students continue exploring different Spanish-speaking cultures and work intensively on oral expression to improve their fluency. Novelettes, grammar practice, authentic resources, videos and at least one standard text are used. Units are thematic. Assessments may include projects. Technology use is common and expected at times.**

La Cultura Hispana (Spanish Lit and Film)

- Course 063000 A / B
- Grades: 10 – 12
- Prerequisite: Spanish 4 or AP Spanish, or instructor approval
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

This class will examine cultural themes of the twenty-four countries where Spanish is spoken as a means to understand the impact in the development of each country. Topics may include daily life, traditions, music, dance, history, geography, current events, social themes, etc. It will include terms, expressions, and differences among Spanish spoken across the various countries. **The NCAA accepts this credit as an approved Social Science course. This course does not count toward the four year sequence required for the State Seal of Biliteracy.**

AP Spanish Language²

- Course 062083 A / B
- Grades: 11 – 12
- Prerequisite: Spanish 3
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (world language or core elective) H ¹

In this class, student communication, both written and oral, will be increasingly spontaneous, culturally appropriate, and developed at a higher level. Students will inquire, analyze, synthesize, and evaluate information from a variety of sources. **All students are encouraged to take the AP exam for the purpose of earning college credit.**

IB DP Spanish II²

- Course 062092 A / B
- Grade: 12
- Prerequisite: IB DP Spanish I and instructor approval
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Description and credit type: (world language or core elective) H ¹

This course is a continuation of the previous level of language within the Diploma Programme. **The second year of the IB Diploma Programme, has three goals: 1) increasing the student's skills in grammar, comprehension, and oral and written proficiency; 2) further expanding the student's knowledge and understanding of Spanish and Latin American literature, culture, and history; and 3) becoming familiar with, practicing for, and completing the Standard Level exam. Students will research and prepare to discuss with competency various topics. A variety of readings as well as an advanced level text and workbook will be used. Students should look forward to feeling comfortable using the Spanish language almost exclusively in this class and when working outside of the class as well. Seniors will take an oral exam in early spring and the written exam in May.**

Chinese 1 (Mandarin)

- Course 062135 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

Students learn to communicate in Chinese (Mandarin) using various methods. Simple conversational language and grammar related to personal interests and Chinese (Mandarin) culture are used to draw connections and make comparisons.

Chinese 2 (Mandarin)

- Course 062136 A / B
- Grades: 9 – 12
- Prerequisite: Chinese 1
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

Level 2 builds on skills and knowledge of level 1 with increasing emphasis on pronunciation, intonation, and conventions, using more specialized vocabulary. Students will engage in more complex conversations. Narratives will be used to further knowledge of structural patterns and word elements.

Chinese 3 (Mandarin)

- Course 062137 A / B
- Grades: 9 – 12
- Prerequisite: Chinese 2
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

In level 3, students will initiate and engage in increasingly complex conversations, express thoughts using higher level vocabulary in speaking and writing, and will develop increased accuracy in grammar and written conventions. Students will communicate in a variety of cultural contexts, extracting information from authentic sources.

Chinese 4 (Mandarin)

- Course 062146 A / B
- Grades: 9 – 12
- Prerequisite: Chinese 3
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

In this class students will apply accumulated skills and continue to develop higher level vocabulary, sentence structures, and patterns. Students will strengthen understanding of their own language while further expanding communication skills in familiar and unfamiliar contexts. Cultural experiences and knowledge are core components of this class.

AP Chinese Language and Culture²

- Course 062148 A / B
- Grades: 11 – 12
- Prerequisite: Chinese 3
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (world language or core elective) H ¹

Students will learn how to communicate (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. Additionally, students will explore culture in both contemporary and historical contexts, and develop an awareness and appreciation for a variety of cultural products (for example, tools, books, music, laws, conventions, institutions), practices (patterns of social interactions within a culture), and perspectives (values, attitudes, and assumptions).

AP Chinese Language and Culture 2²

- Course 062149 A / B
- Grades: 11 – 12
- Prerequisite: AP Chinese Language and Culture
- Length of course: 1 year/2 credits
- Weighted grade: Yes
- Materials fee: AP exam cost of \$115 (financial assistance available if qualified)
- Description and credit type: (world language or core elective) H ¹

This course builds upon the AP Chinese Language and Culture curriculum. Students will learn how to communicate (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. Additionally, students will explore culture in both contemporary and historical contexts, and develop an awareness and appreciation for a variety of cultural products (for example, tools, books, music, laws, conventions, institutions), practices (patterns of social interactions within a culture), and perspectives (values, attitudes, and assumptions).

American Sign Language 1

- Course 062095 A / B
- Grades: 9 – 12
- Prerequisite: None
- Length of course: 1 year/2 credits
- Description and credit type: (world language) H ¹

American Sign Language is a manual language which entails vocabulary, grammar, sentence structure, and body movement to express meaning for communication. Lessons or units also include cultural aspects to help the student understand and interact with the Deaf. Students are introduced to these aspects in units, which are ordered in a manner to build upon the previous units. Lessons are structured around language needed or common life situations. Major concepts are reinforced through reading materials, video, cooperative learning activities, and long-term assignments. All assignments are introduced to fulfill District 20's standards for world language. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your future college to confirm their World Language expectations. The ASL-CTE program also offers ASL dual**

enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability.

American Sign Language 2

- Course 062096 A / B
- Grades: 9 – 12
- Prerequisite: A grade of C or higher in ASL 1 is recommended
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

American Sign Language (ASL) is a manual language which entails vocabulary, grammar, and sentence structure as well as body movement to express meaning for communication. ASL II will build upon ASL I with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your college of choice to confirm their World Language expectations. The ASL-CTE program also offers ASL dual enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability. This program offers work-based learning experiences in ASL interpreting, teaching, and other ASL-related careers to prepare students for future jobs and college.**

American Sign Language 3

- Course 062097 A / B
- Grades: 10 – 12
- Prerequisite: A grade of C or higher in ASL 2 is recommended
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

American Sign Language (ASL) is a manual language which entails vocabulary, grammar, and sentence structure as well as body movement to express meaning for communication. ASL III will build upon ASL II with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your college of choice to confirm their World Language expectations. The ASL-CTE program also offers ASL dual enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability. This program offers work-based learning experiences in ASL interpreting, teaching, and other ASL-related careers to prepare students for future jobs and college.**

American Sign Language 4

- Course 062100 A / B
- Grades: 11 – 12
- Prerequisite: A grade of C or higher in ASL 3 is recommended
- Length of course: 1 year/2 credits
- Description and credit type: (world language or core elective) H ¹

ASL IV continues from ASL I, II, and III to provide further study of American Sign Language (ASL) and its grammar, syntax and cultural features. ASL IV helps students develop competency and fluency in the language. Variations in ASL are addressed. Students are provided with an opportunity to recognize the impact of Deaf Culture on emerging ASL literature. The course includes non-fiction, fiction, poetry, and drama depicted in reading and videotapes related to everyday lives of Deaf people. **ASL is part of the ASL Career and Technical Education (ASL-CTE) program. It counts toward World Language credit. Check the admission requirements of your college of choice to confirm their World Language expectations. The ASL-CTE program also offers ASL dual enrollment through the CU Succeed Program with UCCS for college credit—be sure to check with your future college about transferability. This program offers work-based learning experiences in ASL interpreting, teaching, and other ASL-related careers to prepare students for future jobs and college.**

Special Programs – Course Descriptions

Math Lab

- Course 119005
- Grades: 10 – 12
- Prerequisite: Instructor approval and application process
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

A member of the math faculty staffs this specialized study hall and provides help in all areas of mathematics as is appropriate for each individual's situation. Students may register for both fall and spring semester.

Attendance is vital for this course. Students will support other students in the Math Access Center. Peer tutors will learn lifelong skills in communication, persistence, empathy, problem-solving skills, time management and organization. This is a great opportunity for students interested in a career in education.

Peer PE

- Course 083005
- Grades: 10 – 12
- Prerequisite: Instructor approval and application process
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

This course is designed for those students requiring individualized instruction in Physical Education. Students in this course will participate in activities that incorporate team and individual sport skills, strategies in teamwork and problem solving, and provide training in skills needed for leisure activities. In addition, students will be provided the opportunity to improve and maintain physical fitness as well as develop an appreciation for lifelong physical fitness. Peer Partners will fully participate in all activities with their peer student. **Applications are available in the counseling office and in the Special Education department.**

Peer Partner

- Course 191035
- Grades: 10 – 12
- Prerequisite: Instructor approval and application process
- Length of course: 1 semester/1 credit
- Description and credit type: (unrestricted elective)

Students will be required to do a final paper/project. Attendance is vital for this course. Students will support special education students in their classroom, in mainstream classes, or at a job site. In addition, peer coaches must be flexible and be ready for assignment changes during the semester. This is a great opportunity for students interested in a career in education. **Applications are available in the counseling office and in the Special Education department.**

Student Assistant

- Course 191045
- Grades: 11 – 12
- Prerequisite: Instructor approval
- Length of course: 1 semester/.5 credit
- Description and credit type: (unrestricted elective)

This program is designed to train students to provide assistance to students, faculty and staff as well as give students experience in office and classroom duties. **One-half credit is given, and evaluation is given on a “pass/fail” basis. Students may only have 1 assistant position per semester and this course will NOT be included in calculations for athletic eligibility.**

Library Assistant

- Course 191070
- Grades: 11 – 12
- Prerequisite: Instructor approval
- Length of course: 1 semester/.5 credit
- Description and credit type: (unrestricted elective)

This program is based on a contract agreement designed to train students in the operation of the library. This will include the database Library Solutions, basic library, and office responsibilities, and assisting the Library staff as needed. The students will learn to operate fax and copy machines, shelve books, check-out materials, deliver materials, work with computers and audio visual equipment, and assist all library users. Students will be expected to sign a contract for the skills and duties they will learn. They will also be expected to sign a Confidentiality Agreement prior to working in the library. **One-half credit is given, and evaluation is given on a “pass/fail” basis. Students may only have 1 assistant position per semester and this course will NOT be included in calculations for athletic eligibility.**

Student Government

- Course 191080 A / B
- Grades: 9 – 12
- Prerequisite: Election by students
- Length of course: 1 year/2 credits
- Materials fee: \$40
- Description and credit type: (unrestricted elective)

Members will learn by application procedures of government and parliamentary procedure. They will focus on leadership skills necessary for effective leadership in a high school setting. They will make decisions relative to student body matters. They will have a primary role in student activities and student assemblies. Credit earned will be applied as elective credit. **Student government is a leadership training course, involving such skills as group interaction, public speaking techniques, creative thinking techniques, group leadership, public relations, organizational skills, and decision-making skills. This class is an election-based class. Student enrollment in this course is dependent on elections held during the previous school year. Placement and roster will be determined by the advisor at the conclusion of the election period.**

Academic Support

- Course 191265 A / B
- Grades: 9 – 12
- Prerequisite: none
- Length of course: 1 year/2 credits

Students will be supported using specially designed instruction to build their skills in English Language Arts and math based on individual goals and objectives identified within each student's IEP. Students will receive both direct instruction and indirect support based on individual levels and needs. Students will learn organizational and test preparation skills to support them to be successful. Additionally, students will receive services for transition goals, executive functioning goals, and IEP advocacy.

Attendance Waiver AM

- Course 191260 A / B
- Grades: 11 – 12
- Prerequisite: Good academic standing and parent approval
- Length of course: 1 semester/NO credit

First/Second Semester Morning Attendance Waiver. **Attendance waiver contracts are available in the counseling office and required to be on file.**

Attendance Waiver PM

- Course 191255 A / B
- Grades: 11 – 12
- Prerequisite: Good academic standing and parent approval
- Length of course: 1 semester/NO credit

First/Second Semester Afternoon Attendance Waiver. **Attendance waiver contracts are available in the counseling office and required to be on file.**

Freshman Success

- Course 191021 A / B
- Grade: 9
- Prerequisite: none
- Length of course: 1 year/2 credits
- Description and credit type: (unrestricted elective)

Freshman will learn and practice skills and strategies to support success in high school and beyond; and become actively involved in their learning experience by applying their knowledge towards ownership and self-advocacy in educational and post-secondary opportunities. Particular areas of focus will include topics such as planning and organization, study skills, learning styles, how to study for tests, goal-setting and increasing content area skills and comprehension.

Guided Study Hall

- Course 191100
- Grades: 10-12
- Prerequisite: None
- Length of course: 1 semester/.5 credit
- Description and credit type: (unrestricted elective)

Guided Study is a monitored study hall, in which the facilitator actively works with students in completing assignments.

Passion Project

Independent Study

- Grades: 10-12
- Prerequisite: None
- Length of course: 1 semester/.5 credit
- Description and credit type: (unrestricted elective)

The Passion Project is an opportunity for a Rampart student to earn a half-credit by creating a project that is a personal interest or passion of theirs. Students can build, learn new skills, research, design, craft, etc., they want to explore. This Project is a student-centered and age-appropriate practical exploration. This is a long-term project designed as an independent learning experience of approximately 25 hours. This project encourages students to practice and strengthen their ability to connect classroom learning engagements with personal experience, and to develop their own interests for lifelong learning. The project offers many opportunities for differentiation of learning and expression according to students' individual needs. The personal nature of the project is important; the project should revolve around a challenge that motivates and interests the individual student. Students are supported through Passion Project course, however, most of the project needs to be completed at home. Successful completion of the project results in half of an elective credit.

For more information on the Passion Project, please contact:
Lindsay Schneider at lindsay.schneider@asd20.org

Advancement Via Individual Determination (AVID)

Overview of Course

AVID is a program designed to increase school wide learning and performance. The mission is to ensure that all students, and most especially the least served students in the middle, capable of completing a college preparatory path will: succeed in the most rigorous curriculum, enter mainstream activities of the school, increase their enrollment in four-year colleges, and become educated and responsible participants and leaders in a democratic society. If accepted into the program, students will also be enrolled in our Early College Academy (which is a partnership with UCCS) where they will have the opportunity to earn 30+ college credits free of charge. Each applicant must also sign up for the appropriate grade level AVID elective listed below. **Students must complete an application and interview process to enroll in AVID. Visit the [Rampart AVID & RECA website](#) for additional information.**

- AVID stands for Advancement Via Individual Determination
- AVID is for grades 9 – 12 and prepares students for college eligibility and success
- AVID places students into advanced classes
- AVID is for all students, but it targets those in the academic middle
- AVID is implemented school wide and district wide
- AVID provides academic instruction in learning
- AVID provides organizational skills
- AVID provides tutorial support
- AVID provides motivational activities

AVID 9

- Course 006000 A / B
- Grade: 9
- Prerequisite: Program coordinator approval
- Length of course: 1 year/2 credits
- Description and credit type: (core elective)

AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for admittance to four year colleges and universities. The class focuses on writing, reading, inquiry, collaborative learning, public speaking, and organization. Students will receive tutorial support, listen to guest speakers, and take field trips to colleges to talk with college admissions representatives.

AVID 10

- Course 006005 A / B
- Grade: 10
- Prerequisite: Program coordinator approval
- Length of course: 1 year/2 credits
- Description and credit type: (core elective)

AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for admittance to four year colleges and universities. The class focuses on writing, reading, inquiry, collaborative learning, public speaking, and organization. Students will receive tutorial support, listen to guest speakers, and take field trips to colleges to talk with college admissions representatives.

AVID 11

- Course 006010 A / B
- Grade: 11
- Prerequisite: Program coordinator approval
- Length of course: 1 year/2 credits
- Description and credit type: (core elective)

AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for an admittance to four year colleges and universities. The class focuses on writing, reading, inquiry, collaborative learning, public speaking, and organization. Students will receive tutorial support, listen to guest speakers, and take field trips to colleges to talk with college admissions representatives.

AVID 12

- Course 006015 A / B
- Grade: 12
- Prerequisite: Program coordinator approval
- Length of course: 1 year/2 credits
- Description and credit type: (core elective)

AVID is an elective course for students interested in pursuing a rigorous high school curriculum and who would benefit from support in mastering the academic skills necessary for high school success and for admittance to four year colleges and universities. The class focuses on writing, reading, inquiry, collaborative learning, public speaking, and organization. Students will receive tutorial support, listen to guest speakers, and take field trips to colleges to talk with college admissions representatives.

Rampart Early College Academy (RECA)

Rampart High School has partnered with the University of Colorado, Colorado Springs (UCCS) to create the Rampart Early College Academy. This unique program allows Rampart students to take up to 30 college credits over their four years at Rampart High School for FREE while still being high school students at their traditional school. Students are supported through Rampart's AVID program to make sure that students are successful in their college coursework. Additionally, while earning UCCS college credit, RECA students will also earn their required high school credit. Visit the [Rampart AVID & RECA website](#) for additional information.

Prerequisite: Students must complete an AVID/RECA application and interview process. Program coordinator approval required.

AVID / RECA Course Progression

Grade	Course	Rampart Equivalent Credit Type	Graduation Requirement	UCCS Credits
9 th	GPS 1110 Academic Fitness	Not Applicable Core Elective	No	1
10 th	HIST 1040 Europe Since 1800: Struggles	World History Social Science	Yes	3
	COMM 1020 Interpersonal Communications	Not Applicable Core Elective	No	3
11 th	CHEM 1111 Environmental Science	Environmental Science Science	No	3
	CHEM 1112 Environmental Science – Lab	Environmental Science Science	No	1
	THTR 1000 Introduction to Theater	Theater 1 Fine Arts – Core Elective	No	3
	ENGL 1310 Rhetoric & Writing I	AP Language English	Yes	3
	PSC 1000 American Political System	Civics Civics	Yes	3
12 th	GPS 1110 Pathways: Capstone	Not Applicable Core Elective	No	3
	ENGL 1500 Intro to Literature for non-majors	AP Literature English	Yes	3
	COMM 2100 Public Speaking	Speech Core Elective	No	3
	FNCE Personal Finance	Personal Finance Elective	No	3

- These courses are subject to change.

Air Force Junior Reserve Officer Training Corps (AFJROTC)

Air Academy High School offers a four-year Air Force Junior ROTC curriculum. Each year offers a unique academic focus while emphasizing leadership and character development concentrating on enhancing good citizenship. AFJROTC is a building block curriculum with the first year being a prerequisite for the upper level courses. **Note:** All cadets are required to wear the Air Force issued uniform and comply with Air Force Instruction 36-2901 dress and personal appearance standards (i.e. hair length). Cadets are required to perform community service as part of the leadership grade. Continued enrollment in JROTC year-to-year is contingent upon cadet performance at each previous level. Each AFJROTC course is a yearlong experience; new enrollments are only allowed at the beginning of the year. Transfer students and students coming from other JROTC programs (Army, Navy, etc.) will be evaluated on a case-by-case basis for placement in AFJROTC. Visit the [AFJROTC webpage](#) for further details and to access the AFJROTC application.