ARVADA WEST HIGH SCHOOL

COURSE GUIDE 2025-26



ARVADA WEST HIGH SCHOOL

PRINCIPAL

Mr. Micah Porter

ASSISTANT PRINCIPALS

Ms. Kerri Davis
Ms. Kelly Granfield
Ms. Tara McJunkin
Mr. Gordon Volk
Mr. Patrick Wheatlake

DEAN OF STUDENTS

Mr. Brad Mulvaney
Mr. Paul Garcia

COUNSELORS

Mrs. Annamae Boots
Mrs. Cassidy Delaney
Mrs. Sarah Dimond
Ms. Dena Kneisl
Mrs. Alyssa Stanton
Mrs. Lainie Thomas
Ms. Nicole Alper

TABLE OF CONTENTS

PLANNING YOUR ACADEMIC CAREER PATH	4
WARREN TECH	13
PATHS TO CONSIDER AFTER HIGH SCHOOL	15
BUSINESS	18
COMPUTER SCIENCE/TECHNOLOGY	21
ENGLISH/LANGUAGE ARTS	26
AP CAPSTONE	32
ESL COURSE OFFERINGS	32
ENGINEERING AND ROBOTICS	36
FAMILY AND CONSUMER SCIENCES	38
MATH	41
PERFORMING ARTS: INSTRUMENTAL	46
PERFORMING ARTS: VOCAL	50
PERFORMING ARTS: THEATRE	52
PHYSICAL EDUCATION	55
SCIENCE	60
SOCIAL STUDIES	70
VISUAL ARTS	77
WOODWORKING	85
WORLD LANGUAGES	86
SPECIAL EDUCATION SERVICES	91
SPECIAL PROGRAMS	92

PLANNING YOUR ACADEMIC CAREER PATH

- Know and understand the PREREQUISITES AND REQUIREMENTS for courses you wish to take, including whether special approval is required.
- Before selecting a subject, check the course description with a teacher to be sure it fits your needs, interests, abilities, and career goals.
- See your counselor if questions arise about college entrance requirements or career information.
- Be prepared to register for several alternatives, as availability of classes vary from year to year.
- Consult with your parents.

WARREN TECH INFORMATION - Refer to page 13. See your counselor for more information.

REGISTRATION GUIDE

This guide has been compiled for you and your parents to use in planning your academic/career path at Arvada West. It is important to review your career and educational goals periodically with your parents and your counselor. Although these resources will assist you in the development of a program of study, the final decision should be made by you.

CLASS LOAD

Freshmen must take seven classes including a study hall, sophomores and juniors must take six classes, and seniors must take a minimum of five classes, of which four are required to be core content classes per semester (see below), scheduled consecutively.

Per District Policy IKF-R - Core Content includes:

- English
- Mathematics
- Science
- Social Studies
- World Languages
- Advanced Placement classes in the arts and electives
- Post-secondary options
- One half-day Warren *Tech* programs (two of four core classes)
- Concurrent enrollment programs

SCHEDULE ADJUSTMENT POLICY

Since all classes were created based upon student request, the following will apply to all schedule change requests. Changes will be made for the following reasons only:

- The school made a mistake.
- The student has already received credit in the course.
- The student has not completed the prerequisite for the course.
- A senior needs a specific class to graduate.
- A student's schedule is incomplete.

NO SCHEDULE CHANGES WILL BE MADE TO ACCOMMODATE A STUDENT'S WORK SCHEDULE.



GRADUATION REQUIREMENTS 2025

Students are required to meet or exceed the following graduation requirements to receive a diploma from Jefferson County Public Schools.



GRADUATION REQUIREMENTS

The graduating class of 2022 and beyond must meet or exceed the following graduation requirements to receive a high school diploma from Jefferson County Public Schools.



REQUIRED COURSE CREDIT

Students are required to complete the 23 credit hours of study shown below.

SUBJECT	Jeffco Credits	HEAR Credits ^a
Reading, Writing & Communicating	4	4
Math	3 b	4
Science	3 °	3
Social Studies	3.5 ^d	3
Physical Education	0.5	None
Fine/Practical Arts	0.5	None
World/Foreign Language	N/A	1
Additional Coursework	8.5	2
TOTAL	23	N/A

a. Higher Education Admission Recommendations for Colorado public four-year colleges/universities; private colleges/universities set their own admission standards b. A minimum of algebra 1, geometry and one additional course at or above geometry c. Three credits must be lab-based and meet both process

Learn more at https://tinyurl.com/JeffcoGrad



POSTSECONDARY WORKFORCE READINESS (PWR) DEMONSTRATIONS

Students must demonstrate readiness on at least one measure in Reading, Writing and Communicating, and one measure in Mathematics.

Reading, Writing & Communicating	Math	
241/Reading or 236/Writing	255/AR, or 230/QAS ^b	
18	19	
Bronze		
2	2	
31		
Passing Grade	Passing Grade	
Passing	Passing	
Completed		
4	4	
470	500	
State Rubric	State Rubric	
	Communicating 241/Reading or 236/Writing 18 Bronze 2 31 Passing Grade Passing Complet 4 470	

a. Check with your school to learn which of the above options are

Our mission is to provide a quality education that prepares all children for a successful future.

and content standards are required

d. Geography, U.S. history, world history, U.S. government,

ollered b. Arithmetic (AR); Quantitative Reasoning, Algebra, and Statistics (QAS) c. Other demonstrations may be required if test scores come after

d. All students are required to take the SAT in their Junior year

GRADUATION vs. HIGHER EDUCATION ADMISSIONS REQUIREMENTS (HEAR)

Students must earn 23 credits in grades 9-12 to receive an Arvada West/Jefferson County Schools diploma.

Additionally, students planning to attend a four-year college or university in Colorado will need to complete a minimum set of courses to meet Higher Education Admission Requirements (HEAR). These requirements are in place to ensure that admitted students are prepared to be successful in college. In addition to the Higher Education Admissions Requirements, students must also meet the Admission Eligibility Index.

Consult The Colorado Department of Higher Education's website at http://highered.colorado.gov for current Admissions Standards Policy.

Required Courses	Jeffco Graduation Requirements	"HEAR" (4-year CO public colleges/universities) Requirements
English	4 credits	4 credits
Math	3 credits (Algebra, Geometry, additional year at or above the level of Geometry)	4 credits
Science	3 credits	3 credits (2 lab-based)
Social Studies	3.5 credits	3 credits
World Language	0 credits	1+ credits
P.E./Health	0.5 credits	0 credits
Fine/Practical Arts	0.5 credits	0 credits
Electives	8.5 credits	2 credits "academic" electives
	23 credits	17 credits

The Fine/Practical Arts requirement is fulfilled by selected courses in the following areas: Art, Business and Marketing, Computer Science, English Elective (Yearbook Publication), Family & Consumer Sciences, Music, and Technical Education.

Two years of academic electives for the HEAR requirements include additional courses in English, Mathematics, Sciences, Social Studies, World Language, Art, Music, Journalism, Drama, Computer Science, Honors, Advanced Placement, and International Baccalaureate courses.

NOTE: Meeting the Higher Education Admissions Requirements does not guarantee admission to a four-year public institution. Colleges and universities may have additional requirements.

Individual Career and Academic Plan (ICAP) (Six-Year Graduation Plan)

The mission of Jeffco Public Schools is to provide a quality education that prepares all children for a successful future. Each student will have an Individual Career and Academic Plan (ICAP) mapping out each student's progress toward completing high school successfully and making meaningful career decisions. Creating this plan is a partnership between the student, parents and school staff. Questions regarding this process can be directed to your student's counselor



How to get into your account:

Go to the Arvada West Website, click on "Counseling," then click on "Naviance." Select "Naviance Website Link" to take you to the Naviance login.

Login through Clever

What to do on Naviance?

Under the COLLEGES tab

MY COLLEGES

COLLEGES I'M THINKING ABOUT/ COLLEGES I'M APPLYING TO - Track your college prospects (schools that you have chosen via COLLEGE SEARCH) - indicate interest level, track college applications **UPCOMING COLLEGE VISITS -** Sign up for college visits

COLLEGE RESEARCH

COLLEGE LOOKUP - Lookup colleges by name, by alphabet, by state or by country
COLLEGE SEARCH - Narrow your college search, add colleges to COLLEGES THAT I'M THINKING ABOUT
COLLEGE RESOURCES - Helpful links for financial aid, scholarships, college athletics, test prep and more!
SCHOLARSHIPS & MONEY/SCHOLARSHIP LIST - Displays list of local scholarships and awards available to Jeffco students. Links to scholarship applications often shared.

Under the CAREERS tab:

EXPLORE CAREERS & CLUSTERS - Search careers by name, category or career cluster **DO WHAT YOU ARE** - Complete a personality type assessment to provide you with information about your personality characteristics and learn about careers that match your personal strengths **CAREER INTEREST PROFILER** - Complete an interest inventory to help you determine the types of work activities and careers match your interests.

ROAD TRIP NATION – Explore 3,552 career videos

Under the ABOUT ME tab

INTERESTING THINGS ABOUT ME

RESUME - Good place to keep track of your accomplishments over the years **JOURNAL** - Take notes on college experiences and share them with parents or your counselor. Notes also shared by the counseling office to document when college applications are sent.

OFFICIAL THINGS

PROFILE - Keep your information updated here **ACCOUNT** - Change your password here

Under the MY PLANNER tab

REVIEW - Upcoming due dates, goals, to-do list and assigned tasks

VALEDICTORIAN REQUIREMENTS

To be considered as a candidate for valedictorian status, a student must meet the following criteria:

- Fulfill all academic graduation requirements and earn 23 credits during grades 9-12.
- Earn a minimum of 17 academic credits including at least eight (8) approved Honors/AP courses:
 - Of the eight courses, at least six full AP courses during grades 10-12, including completion of the AP or equivalent exams in the spring.
 - Minimum of two AP/Honors courses must be earned in the student's 12th grade year.
- Three years of the same world language during grades 9-12 or TWO years each of TWO different languages during grades 9-12, or completion of level four in any one language.

The student completing the requirement for valedictorian status, along with the highest cumulative unweighted grade point average, will be recognized as the valedictorian of Arvada West High School. In the case of a tie, multiple awards will be given.

WEIGHTED GRADES

The following courses will be weighted:

- Advanced Placement program courses offered in Jeffco Schools
- District approved Honors level courses
- Dual-credit courses offered at the home high school under partnership agreements with a sponsoring Colorado community college or 4 year college when those credits are guaranteed transferable to a 4 year college
- Post-secondary option courses that meet the level of AP or International Baccalaureate when unavailable at an individual's home high school will be weighted at the principal's discretion and with prior approval
- Post-secondary option courses that exceed the level of AP or International Baccalaureate when a student has completed the curriculum offered at his/her home high school will be weighted at the principal's discretion and with prior approval

The District expects, but does not require, that students will take the culminating exams that are a part of the course of study from any of the weighted courses. However, weighted grades and AP designation will only be awarded to students who take the culminating exam.

Weighted Quality Points: the following scale will be used by all schools for weighting grades:

A = 5 quality points

B = 4 quality points

C = 3 quality points

D = 1 quality points

F = 0 quality points

Grade Point Average: Calculations shall be determined by dividing the total number of quality points earned by the number of courses included on the transcript. Students with the same grade point average shall be numbered identically in rank. (For example, if four students had the highest possible GPA, all four would be ranked first; the student with the next highest GPA would be ranked fifth, and so forth.)

Class Rank: Class rank shall be calculated on the basis of all courses for which credit has been earned, or attempted. Class rank will be calculated each semester. Both unweighted and weighted GPA's and class ranks will be displayed on student transcripts and report cards.

Transfer Grades: Transcripts for students who transfer in from other districts will be evaluated based on Jeffco criteria. Only Advanced Placement, International Baccalaureate, and Post-Secondary classes that meet or exceed AP and IB standards will be granted weighted status.

ACADEMIC LETTERS

Academic Letters, and a bar are earned by carrying a standard course load and completing a minimum of two consecutive semesters at Arvada West High School with a GPA of 3.75 or higher for each semester. Gold bars are awarded to students who have received all A's in the previous semester(s) and a silver bar is awarded to students who have a cumulative GPA of 3.75 or higher. Once an Academic Letter has been earned, students then receive a gold or silver bar for each semester the criteria outlined above has been attained, while maintaining a 3.75 (or higher) GPA.

ADVANCED PLACEMENT COURSES

General Information about Advanced Placement Courses

An Advanced Placement class is a course taught at the high school which abides by a college curriculum. Therefore, it follows a rigorous, national curriculum and has a substantial amount of homework. The class must follow this curriculum if students hope to be successful on the Advanced Placement exam held at the end of the school year. The Advanced Placement program is sponsored by the College Board, a non-profit organization dedicated to preparing, inspiring and connecting students to college. The College Board writes and administers advanced exams and studies in almost 40 subjects from Art to Statistics, 20 of which are currently offered by Arvada West. These exams, representative of freshman level college knowledge on that subject, form the basis of what we teach in Advanced Placement courses. If the student's score is high enough, they may receive college credit at over 3000 institutions nationwide. While the amount and type of credit received depends upon the college attended, many will allow one to skip basic courses if a score of 3, 4, or 5 on the exam.

Philosophy of Arvada West High School's Advanced Placement Program

Arvada West High School's AP Program is committed to challenging students intellectually, fostering critical thinking skills (synthesis, analysis, and application), and preparing students to take the AP exam. Any student who wants to take an AP course is counseled by their teacher and counselor in making that choice; ultimately, each course is open to any students who wishes to enroll and meets the course prerequisites. Students in AP courses are held to a high level of academic expectation. If a student is found to plagiarize or cheat in an AP course, they will be dropped from the class. Because AP courses are at the college level, appropriate student behavior and maturity are required. If a teacher observes that a student's maturity level or class behavior is not appropriate, they may request for that student to be removed from the class.

Why take an AP course?

- Allows the student to experience the rigors of a college level course in the more supportive high school environment
- According to the College Board website, 85% of selective colleges and universities report that a student's AP experience favorably impacts admission decisions
- Credits achieved through the AP program will be less expensive than typical college tuition
- Provides students with an opportunity to build advanced study skills necessary for success at the college level
- Research shows that students who take AP are much more likely than their peers to complete a college degree on time

What is an appropriate course load?

Course load should be determined on an individual basis as students have unique ability levels, outside commitments, and motivation to stick with a challenging course for a full year. The AP courses move at an accelerated pace and cover an extensive amount of material. Consulting with parents, teachers and counselors can provide the most insight. Having a student be successful in one or two AP classes is better than floundering in more. Some things to consider are:

- Previous Experience in Honors/AP Courses
- Co-curricular activities
- Volunteer and work commitments
- Motivation of the student
- GPA (generally 3.0 or higher)

We recommend that all college bound students consider taking at least one AP course. Advanced students will have the opportunity to take one or two AP courses their sophomore year. The typical course load for juniors and seniors is one or two courses with three being considered very challenging. A course load of four or more AP classes should only be considered for the very highest achieving students.

More About the AP Exams

Student's mastery of course content is tested each May through the College Board Testing Program. Most tests consist of multiple choice questions and various free response essays. Results are released the following July online, accessible through each student's College Board account. They are scored on a scale of 1-5, with scores of 3 and higher considered passing in most institutions. The exam cost is determined by the College Board and administrative costs at Arvada West High School. Assistance for exam fees can be provided if a student qualifies.

AP exams are administered the first two full weeks of May. Parents should be aware this is a stressful time in their student's academic career. Students may find that commitments outside of school interfere with their ability to prepare for the exams. We suggest that parents and students work together to manage the increased time to be successful on these tests.

Advanced Placement Course Descriptions

Fine Arts STEM

AP 2-D & 3-D Art & Design AP Biology

Humanities AP Calculus AB

AP English Lang & Comp (Gr. 11) AP Calculus BC

AP English Lit & Comp (Gr. 12) AP Chemistry

AP Human Geography AP Computer Science A

AP Macroeconomics AP Computer Science Principles

AP Spanish Lang & Culture AP Physics 1 & 2

AP U.S. Gov't & Politics AP Statistics

AP United States History AP Pre-Calc & Trig

AP World History AP Capstone

AP Biology Seminar (Year 1)

AP European History Research & Design (Year 2)

NCAA and NAIA Athletic Academic Information/Requirements - See Page 16



Seniors

September/October

Register for ACT or SAT tests if not already taken

Narrow college or school choices

Organize application materials, noting admission and financial aid deadlines

Check deadlines for college applications

Request letters of recommendation from teachers, counselors, or coacher

September/October

Check on housing

Begin exploring possible scholarships and note deadlines

Visit the guidance resource center for scholarship info

If not taken yet, take ACT or SAT tests

Submit your application to your counselor at least 2 weeks before the deadline. Be sure to request an official transcript by completing the blue transcript request form

Start the financial aid process - go to www.fafsa.ed.gov

Submit FAFSA online beginning Oct 1st

January

Apply for any applicable scholarships

Continue to submit applications

Feb/March/April

Submit FAFSA online beginning Jan 1st

Apply for any applicable scholarships

Continue to submit applications

ACT

Info at: http://actstudent.org

SAT

Info at: http://www.collegeboard.com

Juniors

Fall Semester

- Take PSAT/NMSQT in September
- Sign-up for College Visits
- Participate in Future Day
- Attend Junior/Senior Night
- Update Individual Career and Academic Plan (ICAP)
- Explore Naviance: Careers, Colleges, Scholarships
- Attend College Fairs
- Visit colleges over school breaks

Spring Semester

- Update Individual Career and Academic Plan (ICAP)
- Complete Junior Review with Counselor
- Continue to visit colleges
- Continue to attend College Fairs
- Continue researching colleges for the right fit (size, cost, location, majors)

WARREN TECH





warrentech.org @warrentechjps

Warren Tech is the designated Career and Technical Education (CTE) school for Jeffco Public Schools. Spanning three campuses, our instructors provide a premier hands-on educational experience. As an extension of Jeffco home high schools, students attend Warren Tech North, Central, or South for morning or afternoon sessions. Credits earned at Warren Tech apply to students' graduation requirements at their home high schools.



34
HANDS-ON
PROGRAMS



13,000 FREE/REDUCED COLLEGE CREDIT



92
INDUSTRY
CERTIFICATIONS

Agricultural, Natural Resources & Energy

Horticulture

Business, Marketing, Finance & Entrepreneurship

Business Administration

Engineering, Technology & Media Arts

Advanced 3D Printing • Audio & Music Production Computer Science & Cybersecurity • Engineering: Design & Build • Film & Media Arts • Game Development • Graphic Design & Illustration • Live Sound & Event Production

Health Science, Criminal Justice & Public Safety

Criminal Justice • Dental Assisting • Emergency Medical Services • Fire Science/First Responder Forensic Science • Medical Assisting • Intro to Nursing • Physical Therapy • Sports Medicine

Hospitality, Human Services & Education

Cosmetology - Esthetics • Cosmetology -Hairstyling • Cosmetology - Nail Technology Culinary Arts • Education & Leadership Outdoor Leadership • Resort & Event Management

Skilled Trades & Technical Sciences

Aircraft Maintenance Technology • Auto Collision Repair & Customization • Auto Technology • Aviation Technology • Building Trades • Precision Machining • Welding



warrentech.org/enroll

ROUND 1 ENROLLMENT WINDOW DEC 5, 2024 - JAN 17, 2025

Warren Tech programs are subject to change at any time.

CENTRAL 13300 West 2nd Pl. Lakewood, CO 80228 NORTH 11325 Allendale Dr. Arvada, CO 80004 SOUTH 13299 W Coal Mine Ave. Littleton, CO 80127





Warren Tech es la escuela designada de Educación Profesional y Técnica (CTE por su sigla en inglés) de las Escuelas Públicas del Condado Jefferson. Nuestros instructores proporcionan una educación práctica de primera en nuestros tres campus. Es una extensión de las preparatorias de las Escuelas de Jeffco y los estudiantes asisten a Warren Tech North, Central o South en el turno de la mañana o de la tarde. Los créditos obtenidos en Warren Tech se aplican a los requisitos de graduación de los estudiantes en sus escuelas preparatorias.



34

PROGRAMAS PRÁCTICOS



13,000

CRÉDITOS UNIVERSITARIOS GRATUITOS O A PRECIO REDUCIDO



92

CERTIFICACIONES DE LA INDUSTRIA

Agricultura, Recursos Naturales y Energía

Horticultura

Negocios, Mercadotecnia, Finanzas e Iniciativa Empresarial

Administración de Empresas

Ingeniería, Tecnología y Artes Mediáticas

Tecnología avanzada de impresión 3D • Producción de audio y música Informática y seguridad cibernética • Ingeniería: Diseño y Construcción • Cine y Artes Mediáticas • Desarrollo de Juegos • Diseño Gráfico e Ilustración • Producción de sonido y eventos en directo

Ciencias de la Salud, Justicia Penal y Seguridad Pública

Justicia Penal • Asistencia Dental • Servicios médicos de emergencia • Ciencias de la gestión de incendios/Respuesta inmediata en caso de emergencias Ciencias Forenses • Auxiliar Médico • Introducción a Enfermería • Terapia Física • Medicina Deportiva

Los programas de Warren Tech están sujetos a cambios en cualquier momento.

Hotelería, Hostelería y Turismo, Servicios Humanos y Educación

Cosmetología: Estética • Cosmetología: Peluquería • Cosmetología: Tecnología para el cuidado de las uñas • Artes Culinarias Educación y Liderazgo para actividades al aire libre • Gestión de eventos y centros turísticos

Oficios y Ciencias Técnicas

Tecnología de mantenimiento de aeronaves Reparación y personalización de carrocería automotriz • Tecnología Automotriz • Tecnología Aeronáutica • Oficios de la construcción Maquinaria de Precisión • Soldadura



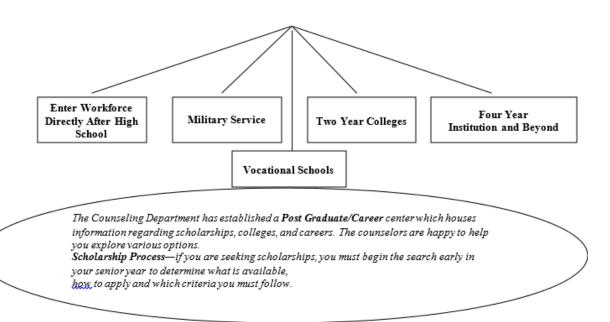
LA PRIMERA RONDA DE MATRÍCULA 5 DE DICIEMBRE DE 2024 A 17 DE ENERO DE 2025

CENTRAL 13300 West 2nd Pl. Lakewood, CO 80228 NORTH

11325 Allendale Dr. Arvada, CO 80004 SOUTH

13299 W Coal Mine Ave. Littleton, CO 80127

Paths to Consider After High School



ATHLETICS

For students interested in interscholastic athletic competition, Arvada West has an extensive program outside of the regular physical education courses. Research supports athletic programs in public schools by providing a direct correlation between physical fitness and development of the mind.

Arvada West provides an opportunity for students to participate in active competition in a variety of individual and team sports, including the following:

F	'all	Sn	orts
т.	an	\mathbf{v}	บบเว

Cross Country Boys/Girls Flag Football - Girls Football Golf - Boys Gymnastics - Girls Soccer - Boys Softball Spirit - Cheer & Pom Tennis - Boys Volleyball - Girls

Winter Sports

Basketball - Boys/Girls Swim & Dive - Girls Wrestling - Boys/Girls

Spring Sports

Baseball
Golf - Girls
Lacrosse - Boys
Soccer - Girls
Swim & Dive - Boys
Tennis - Girls
Track & Field
Volleyball - Boys

NCAA ATHLETIC ACADEMIC ELIGIBILITY

DIVISION I

If you enroll in a Division I college and want to participate in athletics or receive an athletic scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 core courses;
 - 4 years of English
 - 3 years of math (Algebra I or higher)
 - 2 years of natural or physical science (including one year of lab science if offered by your high school)
 - 1 additional year of English, math or natural or physical science
 - 2 years of social science
 - 4 years of extra core courses (from any category above, or foreign language or comparative religion/philosophy)
- Earn a minimum 2.3 required grade-point average in your core courses; and
- Earn a combined SAT or ACT sum score that matches your core-course grade-point average on the sliding scale (e.g., a 2,400 core-course grade-point average requires a minimum 860 combined SAT score) or a 71 ACT sum score

DIVISION II

If you enroll in a Division I college and want to participate in athletics or receive an athletic scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 core courses;
 - 3 years of English
 - 2 years of math (Algebra I or higher)
 - 2 years of natural or physical science (including one year of lab science if offered by your high school)
 - 3 additional years of English, math or natural or physical science
 - 2 years of social science
 - 4 years of extra core courses (from any category above, or foreign language or comparative religion/philosophy)
- Earn a 2.2 grade-point average or better in your core courses; and
- Earn the ACT/SAT score matching your core-course grade-point average on the sliding scale

When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. <u>Test scores that appear on transcripts will not be used</u>. For questions, please see your counselor or visit

NCAA Guide for the College-Bound Student Athlete: https://www.ncaa.org/sports/2021/2/8/student-athletes-future.aspx

N=NCAA Core Courses

NAIA ATHLETIC ACADEMIC ELIGIBILITY

Beginning in the fall of 2010, students that wish to participate in athletics at a NAIA member institution will need to be certified by the NAIA Eligibility Center in order to qualify academically and be cleared as an eligible student-athlete for competition beginning in 2011.

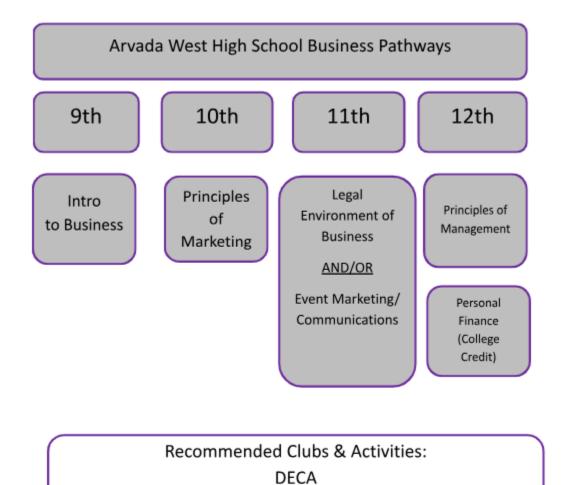
Entering Freshman Eligibility Rules

- Be a graduate of an accredited high school or be accepted as a regular student in good standing as defined by the enrolling institution and
- **Meet two of the three** following requirements:
 - \Rightarrow Achieve a minimum of 16 on the ACT or 860 on the SAT.
 - ⇒ Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale.
 - \Rightarrow Graduate in the top half of your high school class.

Additional information regarding the NAIA Eligibility Center registration process can be found at http://www.playnaia.org/

NAIA Guide for the College-Bound Student Athlete: http://www.playnaia.org/d/NAIA
GuidefortheCollegeBoundStudent.pdf

BUSINESS



Student Council

BUSINESS

BUS1016 PERSONAL FINANCE

19262C05011

Concurrent Enrollment REDROCKS

Credit: .500 Semester Course

Prerequisite: Intro to Business AND Principles of Marketing (or) Legal Environment of Business

Grade: 10 by permission of instructor, 11, 12

Fee Associated with course

Personal Finance surveys the basic personal financial needs of most individuals. The course emphasizes the basics of budgeting and buying, saving and borrowing money, the intricacies of home ownership, income tax and investments, and the wise use of insurance, wills, and trusts.

EVENT MARKETING/COMMUNICATIONS 12163G05011

Credit: .500 Semester Course

Prerequisite: Principles of Marketing

Grade: 10,11,12

Fee Associated with Course

Event Marketing/Communications defines the importance and role of marketing, media and public relations in the event planning industry. Identify marketing and communication tools such as social media, promotional events, networking and blogs. Design a marketing plan to include target market research, communication tools, objectives, strategies, and implementation.

INTRO TO BUSINESS

12051G05011

Credit: .500 Semester Course Prerequisite: None Grade: 9,10,11,12

Fee Associated with course

Intro to Business introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

LEGAL ENVIRONMENT OF BUSINESS 12054G05011

Credit: .500 Semester Course

Prerequisite: Intro to Business

Grade: 9,10,11,12

Fee Associated with course

Legal Environment of Business emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role in social, political, and economic changes in business environments.

MAR2016 PRINCIPLES OF MARKETING

Credit: .500 Semester Course

Prerequisite: Intro to Business

Grade: 10,11,12

Fee Associated with course Concurrent Enrollment

12164C05011

Concurrent Enrollment



Principles of Marketing presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer.

PRINCIPLES OF MANAGEMENT

12055G05021

Concurrent Enrollment



Credit: .500 Semester Course

Prerequisite: Intro to Business AND Principles of Marketing (or) Legal Environment of Business

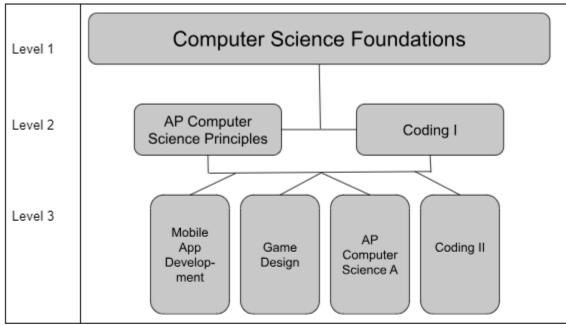
Grade: 11,12

Fee Associated with course Concurrent Enrollment

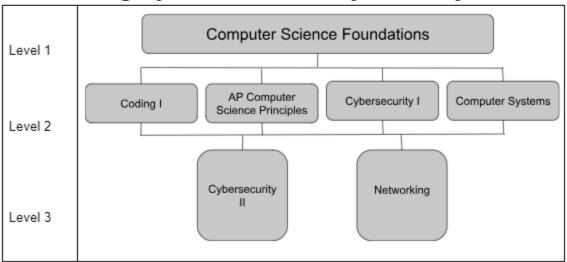
Principles of Management provides an overview of the principles of management. Emphasis is on the primary functions of planning, organizing, staffing, leading and controlling with a balance between the behavioral and operational approaches.

COMPUTER SCIENCE/TECHNOLOGY

Coding Pathway



Networking Systems & Security Pathway



COMPUTER SCIENCE/TECHNOLOGY THESE COURSES MEET THE FINE/PRACTICAL ARTS CREDITS

AP COMPUTER SCIENCE PRINCIPLES - N

10019H05012 & 10019H05022

Credit: .500 (1 Math or Elective credit per year)

Full Year Course Prerequisite: None Grade: 9,10,11,12 Fee: AP Exam CollegeBoard
Advanced Placement
Program

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing. Option to take the AP exam in May for college credit. https://apstudent.collegeboard.org/apcourse/ap-computer-science-principles. https://apstudent.collegeboard.org/apcourse/ap-computer-science-principles. https://apstudent.collegeboard.org/apcourse/ap-computer-science-principles. https://apstudent.collegeboard.org/apcourse/ap-computer-science-principles.

AP COMPUTER SCIENCE A - N

10157H05012 & 10157H05022

Credit: .500 (1 Math or Elective credit per year)

Full Year Course

Prerequisite: AP Computer Science Principles or Alg II (or equivalent math) with C or better

Grade: 10,11,12 Fee: AP Exam

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. Must take AP Exam in May. https://apstudent.collegeboard.org/apcourse/ap-computer-science-a. AP Computer Science A

COMPUTER SCIENCE FOUNDATIONS 10012G5012 & 10012G5022

Credit: .500 (1 credit per year)

Semester Course Grade: 9,10,11,12

Fee Associated with Course

Computer Science Foundations is a course intended to provide students with exposure to various technology occupations and pathways such as Networking Systems, Coding, Wed Design, and Cybersecurity. Upon completion of this course, proficient students will be able to describe various information technology (IT) occupations and professional organizations. Moreover, they will be able to demonstrate logical thought processes and discuss the social, legal, and ethical issues encountered in the IT profession. Depending on the focus area, proficient students will also demonstrate an understanding of electronics and basic digital theory; project management and teamwork; client relations; causes and prevention of Internet security breaches; and writing styles appropriate for web publication. Upon completion of the CSF course, students will be prepared to make an informed decision about which IT program to study to pursue.

COMPUTER SYSTEMS

10254G05012 & 10254G05022

Credit: .500 (1 credit per year)

Yearlong Course – must take both semesters

Grade: 10,11,12

Prerequisite: IT Fundamentals or Computer Science Foundations

Fee Associated with Course



Concurrent Enrollment

Computer Systems is an intermediate course designed to prepare students with work-related skills and aligned certification in the information technology industry. Content provides students the opportunity to acquire knowledge in both theory and practical applications pertaining to hardware, operating systems, safe mode, command prompt, security, networking, printers, peripheral devices, laptops, mobile devices, troubleshooting, and customer service management. Upon completion of the course, proficient students will have acquired skills and knowledge to install, configure, and maintain computer systems. Students who are proficient in this course will be eligible to pursue the IT industry-standard credential, CompTIA's A+ certification.

CODING I

10152G05012 & 10152G05022

Credit: .500 Yearlong Course Prerequisite: None Grade: 9,10,11,12

Coding I is a course intended to teach students the basics of computer programming. The course places emphasis on practicing standard programming techniques and learning the logic tools and methods typically used by programmers to create simple computer applications. Upon completion of this course, proficient students will be able to solve problems by planning multistep procedures; write, analyze, review, and revise programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language; and will be able to troubleshoot/debug programs and software applications to correct malfunctions and ensure their proper execution.

CODING II - Python

10152E05022

Credit: .500 (Math or Elective credit)

Semester Course

Prerequisite: AP Computer Science Principles or Coding I

Grade: 10,11,12

Coding II challenges students to develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increased complexity. Course content is reinforced through numerous short- and long-term programmable projects, accomplished both individually and in small groups. These projects are meant to hone the discipline and logical thinking skills necessary to craft error-free syntax for the writing and testing of programs written in Python. Upon completion of this course, proficient students will earn a Certified Entry-Level Python Programmer (PCEP) certification.

CYBERSECURITY I

10020G05014 & 10020G05024

Credit: .500 Yearlong Course

Prerequisite: C or better in Computer Science Foundations

Grade: 10,11,12

Cybersecurity I is a course intended to teach students the basic concepts of cybersecurity. The course places an emphasis on security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this course cover both in house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization's information. Upon completion of this course, proficient students will be able to demonstrate and show understanding of cybersecurity concepts, identify fundamental principles of networking systems, understand network infrastructure and network security, and be able to demonstrate how to implement various aspects of security within a networking system.**This course may be applied towards a STEM Endorsed Diploma

GAME DESIGN

10205G05024

Credit: .500

Semester Course - this course may be repeated

Prerequisite: C or better in AP Computer Science Principles or Coding I

Grade: 10,11,12

Game Design combines problem-solving techniques with computer game design and implementation to introduce the student to basic gaming and computer science concepts. Students design, implement, and test computer games using software that allows for basic game creation through a wide variety of game creation tools.

MOBILE APP DEVELOPMENT

10206G05012

Credit: .500 (Fine Arts Credit)

Semester Course

Prerequisite: C or better in AP Computer Science Principles or Coding I

Grade: 10,11,12

Mobile App Development is a course intended to teach students the basic concepts and skills of mobile app design. The course places an emphasis on the history of mobile technologies, design and development methodologies, code for mobile applications, application lifecycles, APIs, mobile device controls, user interfaces, deployment, publishing for mobile devices, developer tools, and career development. Upon completion of this course, proficient students will demonstrate an understanding of mobile app development concepts.

WEB DESIGN FOUNDATIONS

05254G05012

Credit: .500 Semester Course Prerequisite: None Grade: 9,10,11,12

Web Design is a course that prepares students with work-related web design skills for advancement into postsecondary education and industry. The course is intended to develop fundamental skills in both theory and practical application of the basic web design and development process, project management and teamwork, troubleshooting and problem solving, and interpersonal skill development. It provides a solid understanding of the basics involved in HTML and CSS, as well as an introduction to coding in JavaScript.

ENGLISH/LANGUAGE ARTS

English Courses and Elective Options

English Courses			
9	10	11	12
English 9 English 9 Honors **ELA I (ESL)	English 10 English 10 Honors **ELA II (ESL)	English 11 AP Lang & Comp **ELA III (ESL)	English 12 AP Lit & Comp **ELA IV (ESL)
**ESL- Proficiency Level Based Newcomer ELA Beginning ELA Intermediate ELA Advanced ELA			

^{*}This course requires a prerequisite. Read course descriptions for more information.

^{**}These courses are for students who are previously or currently enrolled in an ESL program.

English Electives	
*Creative Writing	10th, 11th, and 12th
*Photojournalism (Yearbook)	9th-12th
Journalism Beginning 1	9th-12th
*Journalism Intermediate	10th, 11th, 12th
*Journalism Advanced	10th 11th, 12th
*Journalism Level 4: Digital Media & Communication	10th, 11th, 12th
Capstone: AP Seminar	11th and 12th
*Capstone: AP Research	12th
Public Speaking	9th-12th
Forensic Speech and Debate	9th-12th
**ESL: Study Skills	9th-12th

ENGLISH/LANGUAGE ARTS

The English/Language Arts program is designed to accommodate the individual needs, interests, and abilities of all students and is complemented by specific programs in journalism, publications, and theater. The primary goal of this program is to prepare Arvada West students to meet or exceed the state and district standards in English/Language Arts by achieving effective communication skills in reading, writing, speaking and listening. Students are encouraged to take additional English courses to fulfill elective credits. District Pacing Guides and Prioritized Benchmarks will be addressed in all English classes. Students must complete four credits in English core courses for graduation.

N=NCAA Core Courses

CORE CLASSES

ENGLISH/LANGUAGE ARTS 9 - N

01001G05012 & 01001G05022

Credit: .500 credit per semester (1 credit per year)

Full Year Course Prerequisite: None

Fee associated with course

English/Language Arts 9 incorporates the five aspects of language arts: reading, writing, speaking, listening, and viewing. Study of genres leads to written compositions that build upon students' prior knowledge of grammar, vocabulary, word usage, and mechanics. Students apply comprehension and critical reading skills to both literature and nonfiction.

ENGLISH/LANGUAGE ARTS 9 HONORS - N

01001H05012 & 01001H05022

Credit: .500 credit per semester (1 credit per year)

Full Year Course Prerequisite: None

Fee associated with course

English/Language Arts 9 incorporates the five aspects of language arts: reading, writing, speaking, listening, and viewing. Study of genres leads to written compositions that build upon students' prior knowledge of grammar, vocabulary, word usage, and mechanics. Students apply comprehension and critical reading skills to both literature and nonfiction. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.

ENGLISH/LANGUAGE ARTS 10 - N

01002G05012 & 01002G05022

Credit: .500 per semester. (1 credit per year)

Full Year Course

Prerequisite: Freshman English Fee associated with course

English/Language Arts 10 offers a balanced focus on composition and literature. Students read widely to improve their reading rate, vocabulary, and comprehension and develop skills to determine the author's

intent and theme and to recognize the techniques used by the author to deliver his or her message. Students apply knowledge of purposes and audiences by studying and producing various genres. Oral communication is practiced in group settings as well through presentations.

ENGLISH/LANGUAGE ART 10 HONORS - N 01002H05012 & 01002H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Freshman English Fee associated with course

English/Lang Arts 10 offers a balanced focus on composition and literature. Students read widely to improve their reading rate, vocabulary, and comprehension & develop skills to determine the author's intent & theme & to recognize the techniques used by the author to deliver his or her message. Students apply knowledge of purposes & audiences by studying & producing various genres. Oral communication is practiced in group settings as well as through presentations. The honors course prepares students for advanced course work & engages students in enrichment opportunities. Rigor is demonstrated through sophistication & acceleration in terms of thought-provoking learning activities, challenging assessments, & more complex text/materials. Diverse interests, cultures, perspectives, learning styles, & intelligences are cultivated & higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, & logic are emphasized throughout the honors course.

ENGLISH/LANGUAGE ARTS 11 - N 01003G05012 & 01003G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Sophomore English Fee associated with course

English/Language Arts 11 develops students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, which students apply to compositions that utilize research and rhetoric. Students read nonfiction and literary works as a means to understand the world and to inform their writing. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. Participation in class dialogue and delivering presentations are expectations of this course.

AP ENGLISH LANGUAGE AND COMPOSITION 11 - N 01005H05012 & 01005H05022

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Sophomore English

Fee: AP English Language Book and AP Exam

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. Must take AP Exam in May. https://apstudent.collegeboard.org/apcourse/ap-english-language-and-composition AP English Language & Composition (Grade 11)

CollegeBoard

Advanced Placement

ENGLISH/LANGUAGE ARTS 12 - N

01004G05012 & 01004G05022

Credit: .500 Full Year Course

Prerequisite: Junior English Fee associated with course

English/Language Arts 12 blends and combines purposes, patterns, and genres in writing while incorporating research and rhetoric techniques. Collaboration and critical thinking lead to more complex presentations and products with students honing their comprehension skills while reading more complicated literary and nonfiction texts.

AP LITERATURE AND COMPOSITION 12 - N 01006H05012 & 01006H05022

Credit: .500 per semester. (1 credit per year)

Full Year Course

Prerequisite: Junior English

Fee: AP English Literature Book and AP Exam



Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). Must take AP exam in May.

ENGLISH ELECTIVES

CREATIVE WRITING - N

01104G05011

Credit: .500 Semester Course

Prerequisite: Passing freshman year English

Grade: 10,11,12

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

PHOTOJOURNALISM

11102G05012 & 11102G05022

(Yearbook)

Credit: .500 credit per semester (1 credit per year)

Full Year Course

Prerequisite: Application and teacher approval

Fee associated with course

Grade: 9,10,11,12

Photojournalism courses expose students to the manner in which photography is used to convey information and experiences. Typically coordinated with production of the school newspaper, yearbook, or other media product, photojournalism courses provide students with the opportunity to improve their photo composition and digital technology skills, and to apply their art to journalistic endeavors. Additionally, layout design, interview skills and story writing are implemented.

JOURNALISM BEG-N

11101G05014 & 11101G05024



Arvada West High School Media Art: Journalism CTE classes

Journalism Beginning 1

Foundations & Production

Journalism Intermediate 2

Editorial Leadership

Journalism Advanced 3

CTSO Management

Digital Media & Comm.

Work Based Learning

Journalism Beginning is a year-long class broken into 2 semester classes where the Fall semester teaches foundations—the requisite skills and knowledge necessary for journalism. The Spring semester utilizes the skills & knowledge from the Fall semester to produce news content.

Journalism Beginning is a prerequisite for this class. Journalism Intermediate is a year-long class where students are given leadership opportunities that include teaching/guiding students on the form and function of social media and its impact on journalism. Leaders will continue to expand their knowledge on the various modes of reporting and creating online media.

Journalism Intermediate is a prerequisite for this class. Journalism Advanced is a year-long class that offers students leadership opportunities while expanding on their professional portfolios. It includes teaching/guiding students about ethics in journalism, as well as managing committees that fundraise, market, provide social events, and promote the class/club, as well as provide opportunities for career development from industry professionals.

Journalism Advanced is a prerequisite for this class. Work Based Learning is a year-long class that applies the prior skills and knowledge of journalism with real world connections. Editors-in-chief work with the adviser to create content and are responsible for running the class as a small business that manages a staff, produces quality journalism and fosters a positive, collaborative environment.

Contact Ellie.Norwood@jeffco.k12.co.us

(Foundations & Production)

Credit: 1.0 - Full Year Course

Prerequisite: None

Fee associated with course

Grade: 9,10,11,12

Journalism Beginning is a year-long class broken into 2 semester classes where the Fall semester teaches foundations--the required skills and knowledge necessary for journalism. The Spring semester utilizes the skills & knowledge from the Fall semester to produce news content.

JOURNALISM INT - N

11101G05034 & 11101G05044



(Editorial Leadership)

Credit: 1.0- Full Year Course

Prerequisite: Journalism Beginning OR conversation w/Journalism Adviser in advance.

Grade: 10,11,12

Fee associated with course

Journalism Intermediate is a year-long class where students are given leadership opportunities that include teaching/guiding students on the form and function of social media and its impact on journalism.Leaders will continue to expand their

knowledge on the various modes of reporting and creating online media.

CTE"

JOURNALISM ADV-N

11101E05012 & 11101E05022

(CTSO Management)

Credit: 1.0- Full Year Course

Prerequisite: Journalism Intermediate OR conversation w/Journalism Adviser in advance.

Grade 10,11,12

Fee associated with course

Journalism Intermediate is a prerequisite for this class. Journalism Advanced is a year-long class that offers students leadership opportunities while expanding on their professional portfolios. It includes teaching/guiding students about ethics in journalism, as well as managing committees that fundraise, market, provide social events, and promote the class/club, as well as provide opportunities for career development from industry professionals.



DIGITAL MEDIA & COMMUNICATIONS-N 11148G05011 (Work-based Learning)

Credit: 1.0 Full Year Course

Prerequisite: Journalism Advanced OR conversation w/Journalism Adviser in advance.

Fee associated with course

Grade: 10,11,12

The Work-based Learning (WBL) experience allows for the application of the Knowledge, Skills, and Abilities that are delivered through the coursework of the Program of Study (POS). Students build on prior knowledge and skills in the program of study to further develop and apply employability and technical skills that prepare them for success in future career and postsecondary education. 60 hours of internships is equivalent to .5 elective credit. Work-based Learning must follow Board Policy.

PUBLIC SPEAKING - N

01151G05011 Fall Semester

Credit: .500 credit per semester Semester Course - Offered in Fall

Prerequisite: None Grade: 9,10,11,12

Public Speaking enables students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of speeches in front of audiences, etc). This course focuses mainly on informal speaking and short speech delivery and is intended to be the first semester offering followed by forensic speech second semester.

FORENSIC SPEECH DEBATE - N 01153E05022 Spring Semester

Credit: .500 credit per semester Semester Course - Offered in spring

Prerequisite: None Grade: 9,10,11,12

The forensic speech and debate course offers students the opportunity to learn how to use oral skills in formal and informal situations. In this course, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style

and skill, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas)

AP CAPSTONE

AP SEMINAR - N

CollegeBoard 25003H05012 & 25003H05022 Advanced Placement Program

Full year course Prerequisite: None Grade: 10,11,12

Fee Associated with course

Credit: .500 (1 credit per year)

Designed by the College Board to parallel college-level courses in critical thinking and communications, AP Seminar courses provide students with the opportunity to explore complex real world issues through cross-curricular lenses. Course topics vary and may include local, civic, or global issues and interdisciplinary subject areas. Courses typically emphasize research, communication, and critical-thinking skills to explore the issues addressed. Students may also examine source materials such as articles and other texts; speeches and personal accounts; and relevant artistic and literary works.

AP RESEARCH - N

25004H05012 & 25004H05022

Credit: .500 (1 credit per year)

Full year course

Prerequisite: AP Seminar

Grade: 12

Fee Associated with course



Designed by the College Board to parallel college level courses in independent research, AP Research courses provide students with the opportunity to conduct an in-depth, mentored research project. Course topics include research methods, ethical research practices, and accessing, analyzing, and synthesizing information to address a research question. Courses culminate with an academic thesis paper and an oral defense of the research design, approach, and findings.

ESL COURSE OFFERINGS

NEWCOMER ENGLISH LANGUAGE ARTS

01008G05018 & 01008G05028

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 9-12

This course is designed primarily for linguistically diverse newcomers to the US who speak little or no English, have had limited or interrupted formal education, and may not be literate in their home language. Students in this class typically enter with a WIDA language proficiency level of approximately N/A to 1.4. Students will develop foundational English language skills in speaking, listening, reading and writing with particular emphasis on oral language communication, basic literacy skills, plus an introduction to the American school system and culture. This class prepares students to interact with teachers and peers in content area classes and adapt to the American educational system at the secondary level. The curriculum

is based on the Colorado Academic Standards (CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

BEGINNING ENGLISH LANGUAGE ARTS 01008G05038 & 01008G05048

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 9-12

This course is designed primarily for linguistically diverse beginners who have completed Newcomer ELA (ESL 1), or are new arrivals to the US who have had formal education and are literate in their home language. They are still in the beginning or early intermediate stages of English language development, and typically enter with a WIDA language proficiency level of approximately 1.5 to 2.4. Through developmentally appropriate literary texts and highly scaffolded instruction, students develop or improve academic English language skills in speaking, listening, reading and writing, with particular emphasis on oral language, literacy, and American culture. This class prepares students to interact with teachers and peers in content area classes and adapt to the American educational system at the secondary level. The curriculum is based on the Colorado Academic Standards (CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

INTERMEDIATE ENGLISH LANGUAGE ARTS 01008G05058 & 01008G05068

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 9-12

This course is designed primarily for linguistically diverse students who have completed Beginning ELA (ESL2), or are new arrivals to the US who have had formal education and are literate in their home language. They possess intermediate level knowledge of academic English in speaking, listening, reading and writing. They typically enter with a WIDA language proficiency level of approximately 2.5 to 3.4. Through developmentally appropriate texts and highly scaffolded instruction, students continue to develop and improve English language skills with emphasis on expanded literacy, critical thinking and oral language skills necessary to interact with teachers and peers at the secondary level. The curriculum is based on the Colorado Academic Standards (CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

ADVANCED ENGLISH LANGUAGE ARTS 01008G05078 & 01008G05088

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 9-12

This course is designed primarily for linguistically diverse students who are in the higher intermediate to advanced stages of English language development. They may have completed Intermediate ELA (ESL 3), or may be new arrivals to the US. Although the students may have advanced oral skills, they struggle with the academic literacy demands of non-sheltered content classes. They typically enter with a WIDA language literacy proficiency level of approximately 3.5 or above. Through scaffolded instruction and developmentally appropriate texts across content areas, students expand their reading comprehension, oral and written expression, and improve the critical thinking and analytical skills necessary to access grade level curriculum at the secondary level. The curriculum is based on the Colorado Academic Standards

(CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

ENGLISH LANGUAGE ARTS I (9th grade) 01001G05010 & 01001G05020

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 9

English Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections. **This course will be taught using sheltered instructional methods and strategies** which make the subject matter concepts comprehensible to linguistically diverse students while simultaneously promoting the students' English language development.

ENGLISH LANGUAGE ARTS II (10th grade) 01002G05010 & 01002G05020

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 10

English Language Arts (10th grade) courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi- paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and them and to recognize the techniques used by the author to deliver his or her message. **This course will be taught using sheltered instructional methods and strategies** which make the subject matter concepts comprehensible to linguistically diverse students while simultaneously promoting the students' English language development.

ENGLISH LANGUAGE ARTS III (11th grade) 01003G05010 & 01003G05020

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 11

English/Language Arts (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. This course will be taught using sheltered instructional methods and strategies which make the subject matter concepts comprehensible to linguistically diverse students while simultaneously promoting the students' English language development.

ENGLISH LANGUAGE ARTS IV (12th grade) 01004G05010 & 01004G05020

Credit: .500 per semester

Yearlong Course

Prerequisite: Teacher approval

Grade: 12

English/Language Arts 12 blends composition, analytical reading, and literature into a cohesive whole. Students combine purposes, patterns, and genres in writing while incorporating research and rhetorical techniques. Collaboration and critical thinking lead to more complex presentations and products, with students honing their comprehension skills while reading more complicated literary and nonfiction texts. This course will be taught using sheltered instructional methods and strategies which make the subject matter concepts comprehensible to linguistically diverse students while simultaneously promoting the students' English language development.

ESL STUDY SKILLS

2203G05010 & 2203G05020

Credit: Elective credit Semester Course

Prerequisite: Teacher approval

Grade: 9-12

This course is designed for linguistically diverse students who need additional support with the academic demands of their content classes. Instruction will focus on increasing student achievement in content classes while developing study skills, learning strategies, and academic literacy. Students will receive *elective* credit.

CTE

ENGINEERING AND ROBOTICS

ENGINEERING 1

21004G05012

Credit: .500 per Semester

Semester Course Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Engineering 1 students will understand how to work in design teams and implement the Engineering Design Process on a variety of challenges. By engaging in the design process students will understand how to define problems, define and consider criteria and constraints, develop potential solutions, prototype and test solutions, and improve upon their designs as well as the role of reverse engineering. Throughout the design process students will also develop technical skills such as technical sketching drawing, and writing, beginning computer modeling (CAD), beginning programming, measurement statistical analysis. Career exploration of a variety of engineering disciplines is also a key componer this course.

ENGINEERING 2

21006G05012 & 21006G05022

Credit: .500 per Semester

Full Year Course

Prerequisite: Engineering 1 or equivalent middle school intro to engineering class

Grade: 9, 10,11,12

Fee associated with course

Engineering 2 students will build upon and apply the design process introduced in year 1 through larger sustained engineering projects. They will begin to apply scientific, technical, and mathematical content to their designs, consider the implications of control systems on design solutions, and evaluate design solutions against decision matrices considering elements such as material properties, energy and resource usage, and manufacturing processes. Sustainable design will be introduced by considering economic, environmental, and social criteria and constraints. Students will also apply the technical skills introduced in year 1 to their design solutions, such as: technical drawing and writing, CAD design, computer programming, measurement, and statistical analysis. Throughout this course students will create m refined, detailed, and accurate products and will demonstrate the interconnectedness of these skills through their portfolio documentation.

ENGINEERING 3

21007G05012 & 21007G05022

Credit: .500 per Semester

Full Year Course

Prerequisite: Engineering 2 with a C or better

Grade: 10,11,12

Fee associated with course

Engineering 3 is an applied course for students interested in further developing their skills as future engineers. This course covers knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to explain the differences between scientists and engineers, understand the importance of ethical practices in engineering and technology, identify components of control systems, describe differences between laws related to fluid power systems, explain the importance of material and mechanical properties to design, create simple free body diagrams, use measurement devices employed in engineering, conduct basic engineering economic analysis, follow the steps in the engineering design process to complete a team project, and effectively communicate design solutions to others.

ROBOTICS & AUTOMATED SYSTEMS 21009G05012

Credit: .500 per Semester

Semester Course

Prerequisite: C or better in Algebra I

Grade: 10,11,12

*Exception made for 9th graders earning B or better in Algebra I

Fee associated with course

Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Upon completion of this course, students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.

CAPSTONE: STEM 22999G05012 & 22999G05022

Credit: .500 per Semester

Full Year Course

Prerequisite: STEM related course

Grade: 11,12

Fee associated with course

The STEM Capstone is a student driven culminating project in a science, technology, engineering, or mathematics pathway. Students will work with professional STEM mentors as they define and navigate an investigation or design solution related to a STEM discipline of their choosing. Through the STEM Capstone students will demonstrate mastery in the following STEM skills (as defined by the Jeffco STEM Capstone Rubric): asking questions and defining problems, applying scientific and mathematical models to explain complex ideas, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, constructing explanations or designing solutions, engaging in argument from evidence, collaboration and leading by influence, and self-direction and personal responsibility. Students will demonstrate mastery through a portfolio of work linking their capstone project to the defined STEM skills and a public presentation of their solution and/or findings. The STEM Capstone is a required component of the STEM Endorsed Diploma.

FAMILY AND CONSUMER SCIENCES THESE COURSES MEET THE FINE/PRACTICAL ARTS CREDITS

The following courses are designed to help students plan for and manage their personal life skills. These classes are the focus of the Family and Consumer Sciences Department.

For other courses that satisfy the .500 Physical Education Graduation requirement, please see **PHYSICAL EDUCATION** courses.

CAREER AND TECHNICAL EDUCATION COURSE OPTIONS				
9th Grade Options	Culinary Nutrition Nutrition and Wellness (This course will satisfy the Physical Education/ Health & Wellness graduation requirement) Child & Adolescent Devel (This course has a recommended pairing with Education Exploration) Education Exploration (This course has a recommended pairing with Child and Adolescent Development) FCS Leadership (Prereq: Any level 1 FACS class) (open to new FCCLA members)			
10th Grade Options	Child & Adolescent Devel (This course has a recommended pairing with Education Exploration) Nutrition and Wellness (This course will satisfy the Health & Wellness graduation requirement) Education Exploration (This course has a recommended pairing with Child and Adolescent Development) Culinary Nutrition Food Service-Catering (full year) (prerequisite Culinary Nutrition) FCS Leadership (Prereq: Any level 1 FACS class) (open to new FCCLA members)			
11th and 12th Grade Options	Child & Adolescent Devel (This course has a recommended pairing with Education Exploration) Nutrition and Wellness (This course will satisfy the Physical Education/ Health & Wellness graduation requirement) Education Exploration (This course has a recommended pairing with Child and Adolescent Development) Culinary Nutrition Food Service-Catering (full year) (prerequisite Culinary Nutrition) Baking and Pastry (full year) (prerequisite Catering) FCS Leadership (Prereq: Any level 1 FACS class) (open to new FCCLA members)			

- All Family and Consumer Sciences classes are academic electives.
- The Family and Consumer Sciences department classes are Career and Technical Education courses.
- Family and Consumer Sciences courses satisfy the fine arts and elective graduation requirements, and are academic electives.
- In addition, Nutrition and Wellness courses satisfy the P.E./Health & Wellness graduation requirement.
- All Family & Consumer Sciences courses provide student leadership opportunities within the Family, Career and Community Leaders of America (FCCLA) student organization.

FAMILY AND CONSUMER SCIENCES



CHILD AND ADOLESCENT DEVELOPMENT 19255G05011

Credit: .500

Offered: 1st or 2nd Semester (Recommended pairing with Education Exploration)

Prerequisite: None Grade: 9,10,11,12

Fee associated with course

The purpose of Child and Adolescent Development is to acquire knowledge and understanding of child and adolescent development necessary for strengthening the well-being of children and familie focuses on perspectives of human development, research and theories, understanding and nurti development, and challenges to development.

EDUCATION EXPLORATION

19151G05011

Credit: .500

Offered: 1st or 2nd Semester (Recommended pairing with Child Development)

Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Education Exploration is a semester course designed to provide students with an overview of professions within education. Students will discover how their own learning styles impact teaching and the delivery of lessons. Experiences with various education professionals will enhance the understanding of classroom planning, licensure requirements, and career opportunities within school systems. This course includes a minimum of 15 extended learning hours, which may be outside of class time. With exemplary performance and instructor recommendation, students may apply for the Teacher Cadet progran meeting the 3.0 GPA requirement.

CULINARY NUTRITION

19252G05011

Credit: .500

Offered: 1st or 2nd Semester

Prerequisite: None Grade: 9,10,11,12

Fee associated with course

The purpose of Culinary Nutrition is to develop lifelong, healthy individuals with an understanding of healthy and nutritious cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient dense foods, exploring careers related to culinary nutrition, and practicing wise consumer decisions. Formally known as Introduction to Food and Nutrition.

CATERING (Catering I & II)

16057G05012 & 16057G05022

Credit: 1.00

Offered: Full Year Course



Prerequisite: Successful completion of Culinary Nutrition

Grade: 10,11,12

Fee associated with course

This course gives students the opportunity to take their culinary skills to the next level. Students will have the opportunity to learn quantity food preparation and handling techniques as well as meal planning, organizing and ordering in a more commercial atmosphere. Topics may include advanced cooking techniques, front and back of the house service, commercial safety and sanitation practices, garnishing, plate presentation, flavor profiles, food trends, entrepreneurship and more. Students will learn the skills and knowledge necessary to prepare for a career in the food service industry.

BAKING & PASTRY

16056G05012 & 16056G05022

Credit: .500

Offered: Full Year Course: must take both semesters

Prerequisite: Successful completion of Catering & Culinary Nutrition

Grade: 11,12

Fee associated with course

Baking and Pastry is intended for students who have an interest in pursuing a career in the hospitality and culinary industry. Combining advanced food science, restaurant management, food preparation techniques, and real-world internship opportunities, students, through baking and pastry arts, learn to develop their culinary skills and food knowledge to become employable and sought a employees by local foodservice businesses.

FCS LEADERSHIP

22101G05032 & 22101G05042

Credit: 1.0

Full Year Course: must take both semesters

Prerequisite: Any level 1 FACS class (open to new FCCLA members)

Grade: 9,10,11,12

Fee associated with course

FCS Leadership is for an advanced family and consumer sciences student wanting to cultivate essential leadership skills and establish fundamental knowledge of Family Career and Community Leaders of America (FCCLA). Students will have the opportunity to develop and enhance a personal philosophy of leadership that includes: the understanding of self, others and community, and acceptance of responsibilities inherent in community membership. Learning opportunities may include direct experiences such as: FCCLA competition preparation, community service projects, dynamic leaver the portfolios, and career exploration.

NUTRITION AND WELLNESS

08052G05011

Credit: .500

Offered: 1st or 2nd Semester

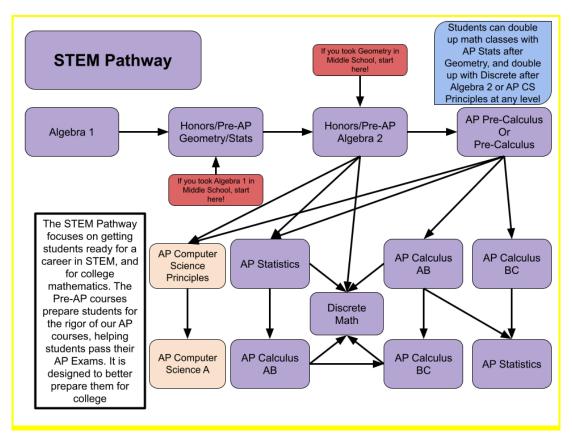
Prerequisite: None Grade: 9,10,11,12

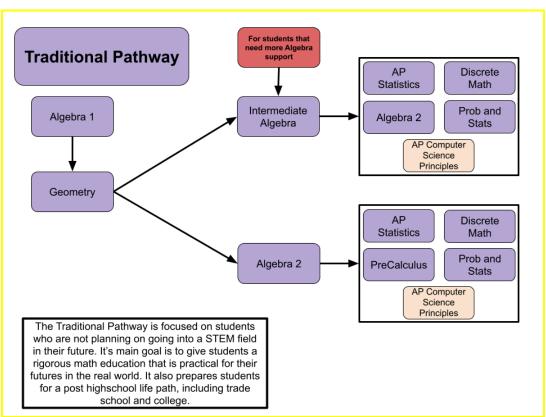
Fee associated with course

In this class students will explore the importance of wellness as a lifestyle as they learn about the Dimension of Wellness, with a particular focus on nutrition. Topics covered include digestion, metabolism, energy balance, and the principles of nutrition. Students will have the opportunity to create meals that reflect healthy eating choices and demonstrate their ability to put these decisions into practice. Additionally, students will learn skills related to health promotion and maintenance. Students will acquire skills to strengthen social, psychological and physical wellness, as well as interpersonal relationships.

Topics addressed include safe sexual decision-making, anti-substance use practices and understanding reproductive health. This course will satisfy the Physical Education/Health Education graduation requirement.

MATH





A TI-Graphing Calculator is recommended for all STEM math classes at Arvada West High School. Acceptable TI calculators are; TI-84 Plus, TI-84 Plus Silver Edition, or TI-89.

N= NCAA Core Courses

ALGEBRA I - N

02052G05014 & 02052G05024

Credit: .500 per semester. (1 credit per year)

Full Year Course Prerequisite: None

Grade: 9

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Algebra I through the use of Illustrative Mathematics as dictated by the district. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

**This course may be applied towards a STEM Endorsed Diploma

GEOMETRY - N

02072G05014 & 02072G05024

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: Algebra I

Grade: 9, 10

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Geometry through the use of Illustrative Mathematics as dictated by the district. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

GEOMETRY HONORS - N

02072H05032 & 02072H05042

(Pre-AP with Statistics)

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Algebra I with "B" or higher, Teacher Approval

Grade: 9, 10

Fee associated with course

Pre-AP Geometry with Statistics is designed to provide students with a meaningful conceptual bridge from Algebra 1 to Algebra 2. This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Geometry through the use of a high-quality curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study. The honors designation gives students the opportunity to engage in accelerated pacing, additional content, and applied learning/projects.

INFERENTIAL PROBABILITY & STATISTICS - N

02202G05012 & 02202G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: Geometry Grade: 10, 11, 12

This full-year course provides a means by which the student will become a more effective communicator through the study of probability and statistics. It focuses deeply on descriptive statistics, with an

introduction to inferential statistics. Students will be able to conduct a hypothesis test for a population mean, a population proportion, and a population variance; construct confidence intervals for population parameters, and conduct regression analysis for variables.

ALGEBRA INTERMEDIATE - N 02069G05014 & 02069G05024

Credit: .500 per semester. (1 credit per year)

Full Year Course Prerequisite: Geometry

Grade: 11,12

This course introduces the Colorado Academic Standards for Mathematics aligned Algebra II along with strengthening previous Algebra 1 and Geometry Colorado Academic Standards for Mathematics. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

ALGEBRA II - N

02056G05012 & 02056G05022

Credit: .500 per semester. (1 credit per year)

Full Year Course

Prerequisite: Algebra I, Geometry

Grade: 10,11,12

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Algebra II through the use of Illustrative Mathematics as dictated by the district. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

ALGEBRA II HONORS - N (Pre-AP) 02056H05012 & 02056H05022

Credit: .500 per semester. (1 credit per year)

Full year Course

Prerequisite: Pre-AP Geometry with a "B" or higher, Teacher Approval

Grade: 9.10.11.12

Fee associated with course

In Pre-AP Algebra II, students solidify and extend their understanding of functions and data analysis developed in prior courses.

Students build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course.

The components of this course have been crafted to prepare not only the next generation of mathematicians, scientists, programmers, statisticians, and engineers, but also a broader base of mathematically informed citizens who are well-equipped to respond to the array of mathematics-related issues that impact our lives at the personal, local, and global levels.

DISCRETE MATHEMATICS - N

02102G05012 & 02102G05022

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Any class beyond Geometry

Grade: 11,12

This non-traditional Math course extends the study of the following college-level topics over the course of a year: counting, graph theory, elementary number theory, cryptography, and set theory. This class involves a lot of participation as well as daily collaboration with peers. In this class, students share their thoughts from their notebooks on whiteboards and learn to ask questions of others' work. Discrete is a good fit for those students who are pattern seekers, as well as those who have "never liked math" but tried their best to understand. This class is also recommended for those who would like to pursue a career in computer programming.

PRE-CALCULUS/TRIG - N

02110G05012 & 02110G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Algebra II or Algebra II Honors, Teacher Approval

Grade: 10, 11, 12

Fee associated with course

This course combines the study of trigonometry, elementary functions, analytical geometry and math analysis topics as preparation for calculus. Topics include the study of complex numbers, polynomial, logarithmic, exponential, rational, right trigonometric and circular functions and their relations, inverses, and graphs, trigonometric identities and equations, solutions of right and oblique triangles, vectors, parametric equations and their graphs, the polar coordinate system, conic sections, and limits. NOTE: This class includes Calculus A topics.

AP PRE-CALCULUS/TRIG. - N 02114H05012 & 02114H05022

Credit: .500 per semester

Full Year Course

Prerequisite: Algebra II Honors or Algebra II with a "B" or higher, Teacher Approval

Grade: 10,11,12

Fee associated with course

AP Precalculus is designed to be the equivalent of a first semester college precalculus course. AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric & polar. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation, and engage each function type through their graphical, numerical, analytical, and verbal representations. The AP course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the course.

AP CALCULUS AB - N 02124H05012 & 02124H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Pre-AP Alg II Hon or Pre-Calculus/Trig,

Teacher Approval Grade: 11,12

Fee associated with course, AP Exam Fee, and must purchase a notes guide.

This course follows the College Board's suggested curriculum designed to parallel college-level calculus courses. AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. This course introduces calculus and includes the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus including the definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems and integral calculus (including anti-derivatives, the definite integral and application of integrals). AP Calculus AB

AP CALCULUS BC - N 02125H05012 & 02125H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Pre-AP Alg II HON or Pre-Calculus/Trig

Teacher Approval Grade: 11,12

Fee associated with course, AP Exam Fee, and must purchase a notes guide

This course follows the College Board's suggested curriculum designed to parallel college-level calculus courses. AP Calculus BC provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications and also requires additional knowledge of the theoretical tools of calculus. This course assumes a thorough knowledge of elementary functions and covers all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations and graphs, polar coordinates, and functions, advanced techniques of integration, advanced application of the definite integral, polynomial approximation and series. AP Calculus BC

AP STATISTICS - N 02203H05012 & 02203H05022

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Inferential Probability and Statistics

Grade: 11,12 Fee: AP Exam

This course follows the College Board's suggested curriculum designed to parallel college-level statistics courses. AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. AP Statistics

PERFORMING ARTS: INSTRUMENTAL

Arvada West High School Instrumental Music 9th Grade 11th Grade 12th Grade 10th Grade Concert Band Marching Band Symphonic Band- Audition or band director recommendation required Jazz Band Wind Ensemble- Audition required String Orchestra Concert Orchestra- Audition required Chamber Orchestra- Audition required

PRESENT 8TH GRADERS:

Register for Concert Band (Beginning winds and percussion) or String Orchestra (string players) **OR** ask the director to email Mr. Moore with a recommendation for Symphonic Band (Intermediate level) **OR** audition into Wind Ensemble (Advanced level). Please email Mr. Moore with any questions—Dean.Moore@jeffco.k12.co.us

CONCERT BAND/CONCERT

05102G05016 & 05102G5026

(Concert Band- Beginning)

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: 8th grade band or ability to read music

Grade: 9, 10, 11, 12

Fee associated with course

Concert Band is designed to develop beginning level techniques for playing brass, woodwind, and percussion instruments and covers and a variety of band literature (grades .5-3), primarily for concert and pep band performances. This band is designed to be a place for students to learn a new instrument and get better on their current instrument if they still are struggling to learn notes and rhythms.

CONCERT BAND/SYMPHONIC

05102G05036 & 05102G05046

(Symphonic Band- Intermediate)

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Audition and/or 8th grade director recommendation

Grade: 9,10,11,12

Fee associated with course

Symphonic Band is designed to develop intermediate techniques for playing brass, woodwind, and percussion instruments and covers a variety of band literature (grades 2.5-4), primarily for concert performances. This band is designed to be our younger students striving to eventually audition into our advanced band, Wind Ensemble.

CONCERT BAND/WINDS

05102G05056 & 05102G05066

(Wind Ensemble)

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Audition only

Grade: 10,11,12

Fee associated with course

Wind Ensemble is designed to promote more advanced techniques for playing brass, woodwind, and percussion instruments and covers a variety of band literature styles, primarily for concert performances. This band is designed to be Arvada West's top ensemble that performs grade 4-6 repertoire.

INSTRUMENTAL ENSEMBLE

05106G05012 & 05106G05022

Credit: .500 (1 credit per year)

Full Year Course Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Instrumental Ensemble is intended to develop students' technique for playing brass, woodwind, percussion, and/or string instruments in small ensemble groups. Instrumental Ensemble courses cover one or more instrumental ensemble or band literature styles.

ORCHESTRA – STRINGS

05104G05034 & 05104G05044

(String Orchestra)

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: 8th grade orchestra or director's permission

Grade: 9,10,11,12

Fee associated with course

String Orchestra is designed to develop students' abilities to play string instruments, covering a variety of string and orchestral literature styles. This is a strings only class.

ORCHESTRA ADV

05104E05014 & 05104E05024

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Audition only

Grade: 9,10,11,12

Fee associated with course

Concert Orchestra courses are designed to develop students' abilities to play string instruments, emphasizing advanced string techniques and covering a variety of string and orchestral literature styles. This is a strings only class.

ORCHESTRA-CHAMBER ADV

05104E05034 & 05104E05044

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Audition only

Grade: 10,11,12

Fee associated with course

Chamber Orchestra is designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles. This is a smaller select group, working specifically on literature for the Chamber Ensemble.

JAZZ/CONTEMPORARY BAND

05105G05014 & 05105G05024

(Jazz Ensemble II)

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Director Approval or registered for another music course

Grade: 9,10,11,12 Fee associated with course

Jazz Ensemble II helps students develop their techniques for playing brass, woodwind, percussion, guitars, and keyboards, focusing primarily on contemporary stage band literature styles, such as traditional jazz, Latin, and rock. Jazz improvisation is introduced and developed.

JAZZ/CONTEMPORARY BAND INTER

05105G05034 & 05105G05044

(Jazz Ensemble I)

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Director Approval and registered for another music class

Grade: 9,10,11,12

Fee associated with course

Jazz Ensemble I helps advancing students develop their techniques for playing brass, woodwind, percussion, and string instruments, as well as guitars and keyboards, focusing primarily on contemporary stage band literature styles, such as traditional jazz, Latin, and rock. Jazz improvisation is developed further through study.

MARCHING BAND/COLOR GUARD

05103G05012

Credit: .500

Fall Semester Course

Prerequisite: Director Approval or registered in a music ensemble

Grade: 9,10,11,12

Fee Associate with Course

THIS COURSE MEETS BEFORE/AFTER SCHOOL. SEE DIRECTOR FOR SCHEDULE.

Marching Band Courses are intended to develop students' technique playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances. Students will be required to perform at state competition, football games, and school and community events. Color Guard requires the development of dance, movement, and the use of flags and other equipment (rifle, saber, etc.) in conjunction with the marching band.

MUSIC THEORY

05113E05022 Fall

Credit: .500 (1 credit per year)

Fall Semester Course

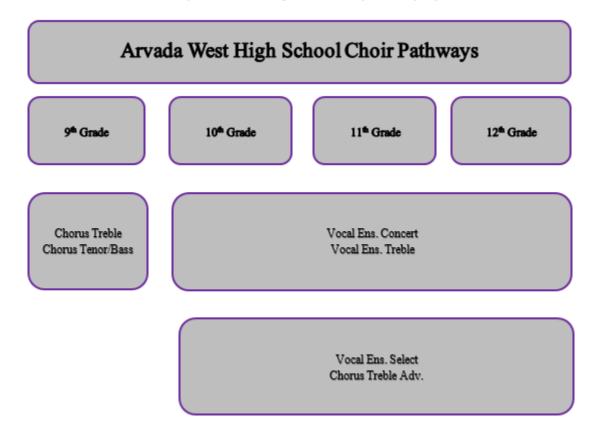
Prerequisite: Students must be able to read music in a clef.

Grade: 9,10,11,12

Fee associated with course

Music Theory provides students with more of an understanding of the fundamentals of music and includes one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.

PERFORMING ARTS: VOCAL



SPECIAL REGISTRATION INSTRUCTIONS FOR CHOIR

PRESENT HIGH SCHOOL STUDENTS:

Auditions for next year's choirs will be held in the spring. Until then:

- Students who have not auditioned should register for Chorus-Tenor/Bass or Chorus-Treble based on vocal range
- Auditions for select choirs will be early in the spring semester.

PRESENT 8th GRADE TREBLE STUDENTS: Register for Chorus-Treble PRESENT 8th GRADE TENOR/BASS STUDENTS: Register for Chorus-Tenor/Bass

CHORUS - TREBLE (Women's Ensemble)

05110G05036 & 05110G05046

Credit: .500 (1 credit per year)

Full Year Course Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Chorus-Treble provides the opportunity to sing a variety of choral literature for treble voices and is designed to develop vocal techniques and the ability to sing parts.

CHORUS - TREBLE ADV. (Company West) 05110E05034 & 05110E05044

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Audition* and one year of another choir

Grade: 10,11,12

Fee associated with course

Chorus-Treble Adv. provides the opportunity to sing an advanced variety of choral literature for treble voices and is designed to develop more advanced vocal techniques.

VOCAL ENSEMBLE

05111G05036 & 05111G05046

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Audition* only

Grade: 10,11,12

Fee associated with course

Vocal Ensemble-Treble is intended to develop treble voice techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles.

VOCAL ENSEMBLE-CONCERT (Concert Choir)

05111G05056 & 05111G05066

Credit: .500 per semester. (1 credit per year)

Full Year Course

Prerequisite: Audition* and 1 semester of another choir

Grade: 10, 11, 12

Fee associated with course

Vocal Ensemble-Concert is intended to develop vocal techniques and the ability to sing parts in a concert choir. Course goals may include the development of solo singing ability and will emphasize various ensemble literature styles.

VOCAL ENSEMBLE- SELECT (Vocal Showcase)

05111E05012 & 05111E05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Audition* and one year of another choir

Grade: 10, 11,12

Fee associated with course

Vocal Ensemble-Select is intended to develop advanced vocal techniques and the ability to sing parts in ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize various ensemble literature styles.

CHORUS – TENOR/BASS (Free Agents)

05110G05016 & 05110G05026

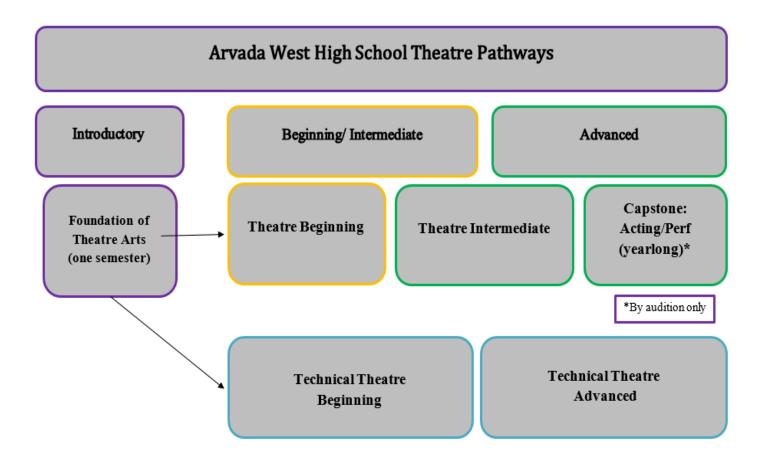
Credit: .500 per semester. (1 credit per year)

Full Year Course Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Chorus-Tenor/Bass provides the opportunity to sing a variety of choral literature for tenor and bass voices and is designed to develop vocal techniques and the ability to sing parts.

PERFORMING ARTS: THEATRE



FOUND OF THEATRE ARTS (Foundation of Design & Perf)

Credit: .500 Semester Course Prerequisite: None Grade: 9,10,11,12

*Preferable as 9th grade entrance class

Fee associated with course

05053G05012

In Foundations Theatre Arts, 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.

THEATRE: MUSICAL THEATRE

05060G05011 Fall (Stage Production Mgmt: Musical)

Credit: .500 (Fall Semester Only)

Semester Course

Prerequisite: Foundation of Theatre Arts

Grade: 10.11.12

Fee associated with course

Musical Theatre is a specialty course that focuses on techniques and material associated with the art of musical theatre. Areas of focus may include ensemble development, choreography, vocal performance and acting. Students involved in this course may participate in public performances.

THEATRE BEG 05055G05014

(Performance & Communications A)

Credit: .500 Semester Course

Prerequisite: Foundation of Theatre Arts

Grade: 9,10,11,12

Fee associated with course

Theatre Beginning introduces students to methods of performance and performance-dependent careers. Though performance is a significant part of this course, further topics include financial awareness, promotion and marketing, and management and leadership.

THEATRE INTER

(Performance & Communications B)

05055G05034

Credit: 500 Semester Course

Prerequisite: Foundation of Theatre Arts or Theatre Beg

Grade: 10,11,12

Fee associated with course

Theatre Intermediate introduces students to methods of performance and performance-dependent careers. Though performance is a significant part of this course, further topics include financial awareness, promotion and marketing, and management and leadership.

05055G05012 & 5055G05022 **CAPSTONE: ACTING/PERFORMANCE**

Red Rocks Community College: THE1005 Theatre Appreciation

Credit: .500 per Semester (1 credit per year)

Semester or Full Year Course Prerequisite: Theatre Beg

Grade: 10.11.12

Fee Associated with course

Concurrent Enrollment



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.

TECHNICAL THEATRE BEG

05056G05014

(Technical Theatre A)

Credit: .500 per Semester (1 credit per year)

Semester Course Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Technical Theatre Beginning introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews.

TECHNICAL THEATRE ADV

05056E05022

05061B05012

(Set Design) Credit: .500 Semester Course

Prerequisite: Technical Theatre Beg.

Grade: 10,11,12

Fee Associated with course

Technical Theatre Advanced emphasizes two- and three-dimensional drawing and designs and color theory, science and programming of lighting/sound etc. This course involves individualized focus areas incorporating the elements and principles of design. Examples include: Set Design, Sound Design, Costume Design, Lighting Design, Prop Design and more. ie: Students construct 3-D models and a theatrical stage set.

THEATRE: UNIFIED THEATRE

(Stage Production Mgmt: Unified)

Credit: .500 per Semester

Semester Course

Prerequisite: Theatre Beg.

Grade: 10,11,12

Fee Associated with course

Technical Theatre Advanced emphasizes two- and three-dimensional drawing and designs and color theory, science and programming of lighting/sound etc. This course involves individualized focus areas incorporating the elements and principles of design. Examples include: Set Design, Sound Design, Costume Design, Lighting Design, Prop Design and more. ie: Students construct 3-D models and a theatrical stage set.

PHYSICAL EDUCATION

Arvada West High School Physical Education **Graduation Requirements** 9th Grade 10th Grade 11th Grade 12th Grade Lifetime Fitness Lifetime Fitness, Team Sports (All) Beg Weight Training Weight Training Beg., Weight Training Inter (Female only)., Team Sports (All) Weight Training ADV Physical Education: Physical Education: (Team classes: Softball, Baseball, Basketball) (PE Basketball, PE Volleyball) Arvada West High School Physical Education **ELECTIVES** 10th Grade 11th Grade 12th Grade 9th Grade Spec. Sports Activities - Volleyball Rec. Sports (Bowling) Spec. Sports Activities: Basketball PE Rec. Sports Inter (Golf) Individual Dual Sports (Racket) Individual Dual Sports (Racket)

Spec. Sports Activities - Volleyball Spec. Sports Activities: Basketball PE

PHYSICAL EDUCATION

Students are required to successfully complete .500 credit of Physical Education to graduate from the Jefferson County Public Schools. For other courses that satisfy the .500 Physical Education Graduation requirement, please see Family and Consumer Sciences.

However, students are encouraged to take more than one class and will receive elective credit for every class that they successfully complete.

Students are required to purchase an Arvada West PE uniform and a lock with the exception of the golf and bowling classes.

LIFETIME FITNESS EDUCATION

08016G05012

Credit: .500 Semester Course Prerequisite: None Grade: 9-12

Fees associated with course

Lifetime Fitness has two components; classroom learning as well as exercise geared for lifetime physical fitness. In the classroom, students acquire the skills, habits and knowledge necessary for lifelong fitness. Topics include the Physical Activity Pyramid, principles of physical fitness and self-management skills. During the exercise component, students will engage in regular physical activity, as well as create and carry out a personalized fitness plan. ** This course will satisfy the Physical Education graduation requirement.

TEAM SPORTS (All Sports)

08002G05012

Credit: .500 Semester Course Prerequisite: None Grade: 9,10,11,12

Fees associated with course

Team Sports courses provide students with knowledge, experience, and an opportunity to develop skills in a variety of team sports (such as volleyball, basketball, soccer, and so on). Team Sports is not intended to be a semester long sports specific course. Students develop a personalized fitness plan which includes principles of nutrition. ** This course will satisfy the Physical Education graduation requirement.

PHYSICAL EDUCATION

08001G05012 Spring Semester

Team BaseballCredit: .50

Semester Course
Prerequisite: Head Coach as

Prerequisite: Head Coach approval required

Grades: 9,10,11,12

Fee associated with course

Physical Education provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. Students develop a personalized fitness plan which includes principles of nutrition.

PHYSICAL EDUCATION

08001G05022 Fall Semester

Team Basketball

Credit: .50 Semester Course

Prerequisite: Head Coach approval required

Grades: 9,10,11,12

Fee associated with course

Physical Education provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. Students develop a personalized fitness plan which includes principles of nutrition.

WEIGHT TRAINING BEG.

08009G05014

Credit: .500 Semester Course Prerequisite: None Grade: 9,10,11,12

Fees associated with course

Beginning Weight Training provides students with introductory knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning. Anatomy and principles of conditioning are addressed. Students develop a personalized weight training program which includes principles of nutrition. ** This course will satisfy the Physical Education graduation requirement.

WEIGHT TRAINING INTER.. (Female Only Class)

08009G05034 Fall Semester 08009G05044 Spring Semester

Credit: .500 Semester Course Grade: 9,10,11,12 Prerequisite: None

Fees associated with course

Intermediate Weight Training helps students go beyond the normal work-out. Students are expected to have completed the basic Weight Training class and can demonstrate knowledge of the basics of resistance training techniques and design an individual weight training program which includes principles of nutrition. ** This course will satisfy the Physical Education graduation requirement.

WEIGHT TRAINING ADV.

08009E05012

Credit: .500 Semester Course

Prerequisite: *Successful completion of weight training beg.

Grade: 10,11,12

Fees associated with course

Advanced Weight Training uses advanced skills and weight training techniques. Students develop a personalized weight training program which includes principles of nutrition. ** This course will satisfy the Physical Education graduation requirement.

PHYSICAL EDUCATION: ELECTIVES

Students are required to successfully complete .500 credit of Physical Education to graduate from the Jefferson County Public Schools. However, once completed, students are encouraged to take more classes and will receive elective credit for every class below that they successfully complete.

FITNESS/CONDITIONING AEROBICS (Gymnastics)

08005G05012

Credit: .500

Fall Semester Course Only

Prerequisite: Head Coach approval required

Grade: 9.10,11,12

Fees associated with course

Fitness/Conditioning Activity courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. Students develop a personalized fitness plan which includes principles of nutrition. This course will focus on the fitness and conditioning required for a gymnastic's athlete.

RECREATION SPORTS (Bowling)

08004G05014 Fall Semester 08004G05024 Spring Semester

Semester Course

Prerequisite: Must provide your own transportation to and from Bowlero.

Grade: 11,12

Credit: .500

Fee associated with course

Recreation Sports courses provide students with knowledge, experience, and an opportunity to develop skills/etiquette and scoring for bowling.

RECREATION SPORTS INTER (Golf)

08004G05034

Credit: .500

Fall Semester Course Only

Prerequisite: Must provide your own transportation to and from the golf course.

Grade: 11,12

Fees associated with course

Recreation Sports provides students with knowledge, experience, and an opportunity to develop skills/etiquette and par 3 game play for golf.

INDIVIDUAL/DUAL SPORTS (Racket Sports)

08003G05014

Credit: .500

Spring Semester Course Only

Prerequisite: None Grade: 9,10,11,12

Fees associated with course

Badminton, pickleball, racquetball, tennis. Allows students to learn and develop new skills while improving others. It gives students a chance to gain experience and have an opportunity to play and compete in more than one sport.

SPECIFIC SPORTS ACTIVITIES

(Volleyball)

Credit: .500 Semester Course Prerequisite: None Grades: 9,10,11,12 08013G05014 Fall Semester 08013G05024 Spring Semester

Fee associated with course

Specific Sports Activities helps students develop knowledge, experience, and skill in a single sport or activity (such as basketball, gymnastics, volleyball, track & field, and equestrian events).

SPECIFIC SPORTS ACTIVITIES

08013G05034

(PE Basketball Class)

Credit: .500 Semester Course Prerequisite: None Grades: 9,10,11,12

Fee associated with course

Specific Sports Activities helps students develop knowledge, experience, and skill in a single sport or activity (such as basketball, gymnastics, volleyball, track & field, and equestrian events).

SPECIFIC SPORTS ACTIVITIES

08013G0544

(PE Soccer Class)

Credit: .500 Semester Course Prerequisite: None Grades: 9,10,11,12

Fee associated with course

Specific Sports Activities helps students develop knowledge, experience, and skill in a single sport or activity (such as basketball, gymnastics, volleyball, track & field, and equestrian events).

UNIFIED PE 08007B05012

Credit: .500 Semester Course Prerequisite: None Grades: 9,10,11,12

Fee associated with course

The Unified Physical Education (PE) course provides opportunities for students of varying ability levels and backgrounds to come together on equal terms through ongoing fitness, sports, leadership and wellness activities. This course focuses on the physical, intellectual and social growth of all participants. Engaging in physical activity and sport alongside peers with and without disabilities in a one-to-one model, helps to foster important social relationships. This course will be paired with the Unified Mentor course.

SCIENCE

These are example pathways. Students may take many different combinations of classes to suit their needs as long as prerequisite courses are fulfilled.

· · · · · · · · · · · · · · · · · · ·				
Traditional Science Pathways				
	9 th	10 th	11 th and 12 th	
Traditional	Integrated Science	Earth Science Biology Chemistry* Physics*	Chemistry* Physics* Astronomy and Geology Anatomy & Physiology* Environmental Sci (CE) Marine Biology (12th only)	
Accelerated	Earth Science Honors Biology Honors	Biology or Earth Science Honors Anatomy & Physiology* Chemistry Honors* AP Biology* AP Chemistry* AP Physics 1* AP Physics 2* Environmental Science (CE) Marine Biology (12th only)		
Science CTE Pathways				
	9th and/or 10th	Upper-Level CTE Classes		
CTE Energy	See 9th grade options above.	Energy Industry Fundamentals Electricity & Electronics DC/AC Environmental Science (CE) Energy Work-Based Learning Apprenticeship*		
CTE Water Quality Management	See 9th grade options above.	Environmental Systems Water (CE) - Year 1 Advanced Water Quality Management* (CE) - Year 2		
CTE Health Sciences	See 9 st grade options above.	Anatomy & Physiology* - Year 1 Pathophysiology* (CE) - Year 2 Pharmacy Technician* (11th/12th)		

N= NCAA Core Courses

INTEGRATED SCIENCE - N

03201G05012 & 03201G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Suggested Skills/Expectations: Basic understanding of basic science skills.

Grade: 9

Fee associated with course

Integrated Science is a lab-based course that draws upon the principles of a variety of scientific specialties—earth science, biology, chemistry, and physics—and organizes the material around thematic integrated problem/project-based units of study. There will be a strong emphasis on the Jeffco Generation Skills as well as science and engineering practices such as collaboration, creative/critical thinking, inquiry, experimental design, data analysis, and scientific reasoning. Integrated science I prepares and empowers students to make decisions about, and be successful with, their future scientific studies and/or career options.

EARTH SCIENCE - N

03001G05012 & 03001G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Suggested Skills/Expectations: Basic understanding of basic science skills.

Grade: 10, 11

Fee associated with course

Earth Science offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

EARTH SCIENCE HONORS - N

03001H05012 & 03001H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite for 9th Grade Only: Must have teacher approval

Suggested Skills/Expectations: Strong understanding of basic algebra and science. This course is fast

paced and puts more responsibility on the student and student driven learning.

Grade: 9, 10, 11

Fee associated with course

Earth Science offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.

BIOLOGY - N

03051G05012 & 03051G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Suggested Skills/Expectations: Understanding of basic algebra and science skills.

Grade: 10, 11

Fee associated with course

Biology is designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

BIOLOGY HONORS - N

03051H05012 & 03051H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite for 9th Grade Only: Must have teacher approval

Suggested Skills/Expectations: Strong understanding of algebra and science skills. This course is fast

paced and puts more responsibility on the student and student driven learning.

Grade: 9, 10, 11

Fee associated with course

Biology is designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.

AP BIOLOGY - N

03056H05012 & 03056H05022



Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Biology or Biology Honors (AP Biology is a second year Biology course)

Suggested Skills/Expectations: Strong understanding of biology concepts. This course is fast paced and is designed to mimic a first-year college course. It is strongly suggested that students have taken or are enrolled in a Chemistry class.

Grade: 10,11,12

Fee associated with course, AP Exam

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses, AP Biology stresses basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). AP Biology courses include college-level laboratory experiments. AP Biology

MARINE BIOLOGY - N

03063G05012 & 03063G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Biology strongly encouraged

Suggested Skills/Expectations: Strong understanding of algebra and science skills. This course puts

responsibility on students for maintaining equipment and living specimens.

Grade: 12

Fee associated with course

Marine Biology is a laboratory-based exploration of the Oceans and marine ecosystems found in them. They explore the biology of the marine organisms, topography, chemistry, diversity and resources found in the ocean. Students accepted to this class through application completed prior to registration.

ANATOMY AND PHYSIOLOGY - N

03053G05012 & 03053G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: Biology

Suggested Skills/Expectations: Strong understanding of biology concepts. This course is a college prep

course.

Grade: 10,11,12

Fee associated with course

Usually taken after a comprehensive initial study of biology, Anatomy and Physiology presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals. **See Pre-medical Pathway for other courses.

PHARMACY TECHNICIAN A & B - N

14152G05012 & 14152G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: Algebra

Suggested Skills/Expectations: Strong understanding of algebra skills

Grade: 11.12

Fee associated with certification exam

The Pharmacy Technician series is designed to help give students the knowledge and skills needed to work with a licensed pharmacist in a variety of clinical and retail settings. Students explore medical and pharmaceutical terminology, pharmaceutical calculations, pharmaceutical techniques, sterile compounding, pharmacy recordkeeping, and pharmacy law and ethics. Students also examine essential medical topics such as body systems, common diseases and conditions, microbiology, and medication errors. In the Pharmacy Technician 1 course students gain a foundational understanding of pharmacology and pharmaceutical care. They focus on laws and ethics, drug actions and interactions with the body, dosing and administration and medication errors.

PHYSICS - N

03151G05012 & 03151G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Successful completion of Geometry

Suggested Skills/Expectations: Strong understanding of Geometry. It is strongly suggested that students

have taken or are enrolled in an Algebra II/Trig course

Grade: 10,11,12

Fee associated with course

Physics involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

AP PHYSICS 1 - N

03165H05012 & 03165H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Algebra I and Geometry

Suggested Skills/Expectations: AP Physics 1 is a first year physics course that is fast paced and is designed to mimic the first semester of a first year college course. It is strongly suggested that students have taken or are enrolled in an Algebra II/Trig course

Grade: 10.11.12

Fee associated with course, AP Exam

Following the College Board's suggested curriculum designed to parallel college-level Physics courses, AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry based learning, students will develop scientific critical thinking and reasoning skills.

AP Physics 1 & 2

AP PHYSICS 2 - N

03166H05012 & 03166H05022



Credit: .5000 per semester (1 credit per year)

Full Year Course

Prerequisite: Algebra II; AP Physics or Physics

Suggested Skills/Expectations: AP Physics 2 is a second year physics course that is fast paced and is

designed to mimic the second semester of a first year college course.

Grade: 11,12

Fee associated with course, AP Exam

Following the College Board's suggested curriculum designed to parallel college-level Physics courses, AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

AP Physics 1 & 2

CHEMISTRY - N

03101G05012 & 03101G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Suggested Skills/Expectations: Strong understanding of algebra concepts.

Grade: 10,11,12

Fee associated with course

Chemistry involves studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

CHEMISTRY HONORS - N 03101H05012 & 03101H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Suggested Skills/Expectations: Successful completion of algebra I. This course is fast paced and puts

more responsibility on the student and student driven learning.

Grade: 10,11,12

Fee associated with course

Chemistry involves studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.

AP CHEMISTRY - N

03106H05012 & 03106H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Chemistry or Honors Chemistry (AP Chemistry is a second year Chemistry course) Suggested Skills/Expectations: Strong understanding of chemistry concepts. This course is fast paced and is designed to mimic a first-year college course.

Grade: 11,12

Fee associated with course, AP Exam

Following the curricula recommended by the College Board, AP Chemistry usually follows high school chemistry and second-year algebra. Topics covered may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses.

AP Chemistry

ENVIRONMENTAL SCIENCE - N 03003G05012 & 03003G05022

Red Rocks Community College: ENV1111 Environmental Science

Credit: .500 per semester (1 credit per year)

Full Year Course

Suggested Skills/Expectations:



CollegeBoard

Advanced Placement

This course is fast paced & is designed to mimic a first-year college course.

Grade: 10,11,12

Fee associated with course

Environmental Science examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts, and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

**This course may be applied towards a STEM Endorsed Diploma

ASTRONOMY - N

03004G05012

Credit: .500 Semester Course

Astronomy (1 semester) taken with Geology (1 semester)

Grade: 10,11,12

Fee associated with course

Astronomy offers students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space, and time. Reliable internet access is required for this course.

ENERGY INDUSTRY FUNDAMENTALS - N 20101G05012 & 20101G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Grade: 10,11,12

Fee associated with course

Icoming that

This science CTE course provides a broad understanding of the energy industry with specific focus on the delivery of energy to all users in the United States. It provides a broad understanding of the how and why of generating energy and all the steps necessary to transmit and distribute the energy to businesses and homes across the country. The course provides connections to careers in the energy industry as well as structure of the utility industry, emerging energy technologies and their role as future energy sources.

ELECTRICITY & ELECTRONICS DC/AC 17108G05012 & 17108G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: none (successful completion of Algebra 1 recommended)

Grade: 9,10,11,12

Fee associated with this course

Icoming that works for Amorico

This lab based course will introduce students to the concepts, components, and devices related to both DC and AC electronics. Upon completion of this class, students should understand the concepts of voltage, current, and resistance and various circuit components including conductors, semiconductors, resistors, insulators, and capacitors. Students will understand how these components react in series, parallel, and series-parallel circuits. Students may also be introduced to the available occupations in electrical and electronic industries. Students will earn an industry recognized certificate as part of this course.

GEOLOGY - N 03002G05011

Credit: .500 Semester Course

Geology (1 semester) taken with Astronomy (1 semester)

Grade: 10,11,12

Fee associated with course

Geology provides an in-depth study of forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are presented.

ENVIRONMENTAL SYSTEMS: WATER - N 18005G05012 & 18005G05022

Red Rocks Community College: WQM1000 Intro to Water Quality Red Rocks Community College: WQM1019 Water Qual Analysis

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: Must have earned a C or higher in two semesters of any

combination of science classes

Grade: 10,11,12

Environmental systems is a lab-based course that explores the relationship between natural resources, biogeochemical cycles, ecology, and human activities. This course allows students the opportunity to engage in a deep study of a particular resource and/or system. Students will draw upon their backgrounds in chemistry, biology, and earth systems in order to understand the integrated and complex manner in which environmental interactions occur. Students will also demonstrate a variety of science and engineering practices and laboratory analysis skills as they plan and conduct investigations, analyze data, and communicate results. **This is a concurrent enrollment course for Red Rocks Community college and students will earn credit for the WQM1000 and WQM 1019 courses, for a total of 7 credits. Students can earn the Laboratory Analysis Certificate from Red Rocks with the successful completion of this course and the Advanced Studies in Water Quality.

ADVANCED STUDIES WATER QUALITY - N 18406E05012 & 18406E05022

Red Rocks Community College: WQM2016 Bio/Bac Water Quality Red Rocks Community College: WQM1075 Water Industry Prof Exp Red Rocks Community College: WQM1024 Water Cert Review C/D

Credit: .500 (1 credit per year)

Full Year Course

Prerequisite: C or higher in both semesters of Enviro Water

Grade: 11,12

Advanced Studies in Water Quality is a lab-based course that explores the biochemistry of water quality throughout all phases of water and wastewater treatment. Students will apply an understanding of science and engineering practices along with biology and environmental systems to test, analyze, and treat water and wastewater. Advanced Water Quality topics may include an in-depth investigation of microorganisms, growth and tropic curves related to algae, the nitrogen cycle, and/or nitrification, and fecal coliform contamination as well as related human health concerns. **This is a concurrent enrollment course for Red Rocks Community college and students will earn credit for WQM2016 and WQM1075, for a total of 5 credits. Students can earn the Laboratory Analysis Certificate from Red Rocks with the successful completion of this course and Environmental Systems: Water.





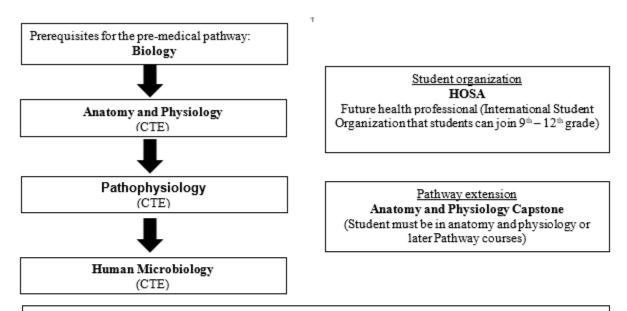
Concurrent

Enrollment



Pre-Medical Pathway

The Pre-medical pathway is a program that will prepare students for a future career in any number of medical fields. Emphasis placed on anatomical structure and function and the diseases and disabilities that plague the human body. Students will be immersed in real world application of knowledge to diagnose, predict, and prevent outcomes that can affect the homeostasis of the human body.



The Health Science Pathway (Pre-medical Pathway) will prepare student for career in the following fields.

Pharmacology
Medical assistant
Nursing assistant
Physician
Emergency Medical Technician
Laboratory Technologist
Rehabilitation
Veterinarian

Epidemiology
Dental assistant
Home Health Aid
Nursing
Radiology
Forensics
Respiratory Therapist
Surgeon

ANATOMY AND PHYSIOLOGY - N

03053G05012 & 03053G05022

Credit: .500 (1 Credit per Year)

Full year course

Prerequisite: Biology or Honors Biology

Grade: 10,11,12

Fee Associated with this course

This course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization, homeostasis, histology; and the integumentary, skeletal, muscular, and nervous systems. Upon completion, students will be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments, computer simulations, and multimedia presentations.

PATHOPHYSIOLOGY - N

03055G05032 & 03055G05042

REDROCKS COMMUNITY COLLEGE

Credit: .500 (1 Credit per Year)

Full year course

Prerequisite: Anatomy and Physiology

Red Rocks Community College: HPR1040 Comp Medical Technology

Grade: 11,12

Fee Associated with this course

Concurrent Enrollment

Pathophysiology students will develop a deep understanding of normally observed body system functioning that maintains homeostasis. Students will study abnormal functioning of the body that disturbs its normal physiological processes through an integration of biology, chemistry, and medicine. Using critical thinking and scientific problem solving skills students will perform investigations to describe and identify imbalances/abnormalities due to diseases or pathology.

SOCIAL STUDIES

Arvada West High School Social Studies Pathways

9th

10th

11th

12th

World Geography

Or

AP Human Geography World History Overview

Or

AP World History

Or AP European History Modern U.S. History

 \mathbf{Or}

AP American History Economics or AP Macro economics

AND

American Gov't Or AP US Gov't

ELECTIVES

American History Through Film AP European History AP Human Geography AP Seminar AP U.S. Government and Politics Art History (concurrent enrollment) Contemporary U.S. Issues Philosophy Psychology Sociology World Regional Geography

Students applying for Honors/Advanced Placement classes must meet the following criteria:

1) Social Studies Teacher Approval

The Social Studies requirements for graduation include:

- 1. One semester of freshman Geography
- 2. One full year or two semester units of American History
- 3. One full year or two semester units of World History
- 4. One semester unit of Basic Economics
- 5. One semester of American Government

N=NCAA Core Courses

WORLD GEOGRAPHY - N

04001G05011

Credit .500 Semester Course Prerequisite: None

Grade: 9



World Geography provides students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the environment; economic development, the interdependence of regions; and the movement of people, goods, and ideas.

AP HUMAN GEOGRAPHY - N

04004H05012 & 04004H05022



Credit: .500 (1 credit per year)
Offered: Full Year Course
Prerequisite: Teacher Approval

Grade: 9,10,11,12

Fee: Must purchase textbook, Workbook, AP Exam

Following the College Board's suggested curriculum designed to parallel college-level Human Geography courses, AP Human Geography introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth's surface. Students use spatial concepts and landscape analysis to examine human social organizations and its environmental consequences and also learn about the methods and tools geographers use in their science and practice.

Must take AP Exam in May.

MODERN WORLD HISTORY - N

04053G05012 & 04053G05022

Credit .500 per semester Full Year Course Prerequisite: None

Grade: 10

World History is a year-long course that provides students with an understanding of key concepts of continuity and change, cause and effect, complexity, unity and diversity, and significant ideas throughout the world from the Renaissance to the present. Students will use the historical method of inquiry to formulate compelling questions, evaluate primary and secondary sources, analyze and interpret data, and argue for an interpretation defended by textual evidence. Following Colorado statute (C.R.S. 22-1-104.7); this course will include Holocaust and Genocide studies including the Armenian Genocide.

AP WORLD HISTORY - N

04067H05012 & 04067H05022

Credit .500 per semester Full Year Course

Prerequisite: Teacher Approval

Grade: 10

Fee: AP Exam, Workbook, Textbook



Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History examines world history from 8000 BCE to the present with the aim of helping students develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted. This course highlights the nature of continuity and change over time in an international context and explores cause and effect relationships. **AP Exam in May.** AP World History

AP EUROPEAN HISTORY – N

04056H05012 & 04056H05022

Credit: .500 (1 credit per year) Offered: Full Year Course

(This class can count for 10th Grade World History Credit)

Prerequisite: Teacher Approval

Grade: 10,11,12

Fee: AP Exam, Workbook, Textbook

CollegeBoard
Advanced Placement
Program

Following the College Board's suggested curriculum designed to parallel college-level European History courses, AP European History examines European civilization from the High Renaissance period to the recent past and also expose students to the factual narrative. In addition, this course helps students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing. **AP Exam in May.** There is no summer homework requirement for this course. **AP European History**

MODERN U.S. HISTORY- N

04103G05012 & 04103G05022

Credit: .500 each semester

Full Year Course Prerequisite: None

Grade: 11

Modern U.S. History examines the history of the United States from the Progressive Era through the present time. These courses typically include a historical review of political, military, scientific, economic, and social developments.

AP U.S. HISTORY- N

04104H05012 & 04104H05022

Credit: .500 per semester Full Year Course

(This class fulfills the American History graduation requirement.)

CollegeBoard
Advanced Placement
Program

Prerequisite: Teacher Approval

Grade: 11

Fee: Must purchase a textbook, Workbook, AP Exam

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History provides students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. Must take AP Exam in May. AP United States History

U.S. GOVERNMENT AND CIVICS - N

04151G05011



Credit: .500 Semester Course Prerequisite: None

Grade: 12

U.S. Government and Civics is a semester-long course focused on purposes, roles, and limitations of the structures and functions of government as well as the role of civic participation on behalf of citizens. Students will analyze the role of founding principles and documents as they have and continue to apply to the functioning of U.S. government. Additionally, students will research and formulate positions on local, state, and national issues or policies to participate in a civil society including identifying the appropriate level of government to address specific concerns and exploring the role of individuals in influencing policy such as contacting elected officials, participation in civic organizations, and voting. Following Colorado statute (C.R.S. 22-1-104.a); this course meets the State graduation requirement

AP U.S. GOV'T AND POLITICS - N

04157H05011

Credit: .500

Offered: 1st Semester Course Prerequisite: Teacher Approval

Grade: 10, 11, 12

Fee: AP Exam, Textbook

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, this course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The course generally covers the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties. Must take AP Exam in May. AP U.S. Government & Politics

ECONOMICS - N

04201G05011

Credit: .500

Offered: Semester Course Prerequisite: None

Grade: 12

Economics provides students with an overview of economics with primary emphasis on the principles of microeconomics, macroeconomics and the U.S. economic system. The course may also cover topics such

as international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

AP MACROECONOMICS - N

04204H05011

Credit: .500

Offered: 2nd Semester

Prerequisite: Teacher Approval

Grade: 12

Fee associated with course, AP Exam



Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics. <u>Must take AP Exam in May</u>.

AP Macroeconomics

SOCIAL STUDIES ELECTIVES

AP SEMINAR - N

25003H05012 & 25003H05022

Credit: .500 (1 credit per year)

Full year course Prerequisite: None Grade: 11, 12

Fee Associated with course

Designed by the College Board to parallel college-level courses in critical thinking and communications, AP Seminar courses provide students with the opportunity to explore complex real world issues through cross-curricular lenses. Course topics vary and may include local, civic, or global issues and interdisciplinary subject areas. Courses typically emphasize research, communication, and critical-thinking skills to explore the issues addressed. Students may also examine source materials such as articles and other texts; speeches and personal accounts; and relevant artistic and literary works.

ART HISTORY

05152G05012

Red Rocks Community College: ART1112 Art Hist Renaiss/1900

Credit: 3 / .500 (1 credit per year)

Offered: Semester Course

Prerequisite: None Grade: 10, 11, 12

Fee: Must Purchase textbook



Art History courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influenced or reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes. This course surveys the visual arts from the Renaissance to 1900.

CONTEMPORARY U.S. ISSUES - N

04106G05011

Credit: .500

Offered: Semester Course

Prerequisite: None Grade: 10, 11, 12

The Contemporary U.S. Issues course studies the modern day political, economic, and social issues facing the United States. This course will focus on current issues or may examine selected issues that link current domestic or foreign policy issues to past events. This is an academically challenging discussion based class designed by the students in an effort to understand United States decisions and how these decisions influence societies both domestically and internationally.

GEO 1005 World Regional Geography

04001C05011

RED ROCKS COMMUNITY COLLEGE

Credit: .500

Offered: 1st and 2nd Semester

Prerequisite: None Grade: 11, 12

Fee associated with this course

College Credits: 3

Concurrent Enrollment

Examines the spatial distribution of environmental and societal phenomena in the world's regions; environmental phenomena may include topography, climate, and natural resources; societal phenomena may include patterns of population and settlement, religion, ethnicity, language, and economic development. Analyzes the characteristics that define world regions and distinguish them from each other. Examines the relationships between physical environments and human societies. Examines globalization, emphasizing the geopolitical and economic relationships between more developed and less developed regions. This is a statewide Guaranteed Transfer course in the GT-SS2 category. Students will be responsible for purchasing their own textbook for this course.

HISTORY THROUGH FILM - N

05203G05011

Credit: .500

Offered: Semester Course

Prerequisite: None Grade: 10, 11, 12

History Through Film explores the relationship between cinema and historical representation. This course critically examines how movies portray and interpret various events, cultures and people prompting discussions on the accuracy and limitations of cinematic storytelling as a medium for learning history. Through a diverse selection of films spanning different eras and regions, students explore the nuances of historical accuracy in filmmaking, analyzing the intersections between artistic liberties, cultural contexts, and the factual accuracy of historical narratives. This course challenges students to assess the complexities of learning history through the lens of film while developing a critical understanding of the role movies play in shaping our collective memory of the past.

PHILOSOPHY - N

04306G05011

Credit: .500

Offered: Semester Course

Prerequisite: None

Grade: 9,10,11,12

Philosophy introduces students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content typically includes examination of the major philosophers and their writings.

SOCIOLOGY - N

04258G05011

Credit: .500

Offered: 1st and 2nd Semester

Prerequisite: None Grade: 10,11,12

This class is an introduction to sociology as a way of understanding the world. Sociology helps explain social, political, and economic phenomena in terms of social structures, social forces, and group relations. Topics that will be covered include socialization, culture, deviance, inequality, race and ethnic relations, poverty, and social movements.

PSYCHOLOGY

PSYCHOLOGY - N

04254G05011

Credit: .500

Offered: 1st and 2nd Semester

Prerequisite: None Grade: 10,11,12

Fee associated with course

In our Intro Psychology course we will explore biopsychology and the brain, psychological research and methods, perception, memory, intelligence, lifespan development, and states of consciousness.

PSYCHOLOGY II - N

04254G05021

Credit: .500

Offered: 1st and 2nd Semester Prerequisite: Psychology

Grade: 10.11.12

Fee associated with course

Continuing in our learning about human psychology we will address social psychology, gender and sexuality, personality, psychological disorders, forensics (serial killers and criminal profiling), therapy & treatment.

VISUAL ARTS



Visual Arts

Course Offerings

3D

2D

Digital













VISUAL ARTS

CERAMICS COURSES

CERAMICS BEGINNING

05159G05012

Credit: .5

Semester Course Prerequisite: None Grade: 9,10,11,12

Fee associated with this course

Ceramics Beginning is an introduction course that includes instruction in hand-building techniques while exploring the versatility of clay. This class focuses on hand building skills such as pinch, coil and slab methods. Students also will learn about surface decoration and firing possibilities as well as gain an understanding of basic vocabulary of working with clay. Some schools may also introduce the potter's wheel at the beginning level. Additionally, the course incorporates the study of ceramics from a historical, social, and cultural viewpoint as a source of knowledge and inspiration.

CERAMICS INTERMEDIATE

05159C05011

Red Rocks Community College: ART1703 Ceramics I

Credit: .5

Semester Course

Prerequisite: Ceramics Beginning with a C or better

Grade: 9,10,11,12

Fee associated with this course

RED ROCKS COMMUNITY COLLEGE

Concurrent Enrollment

COMMUNITY COLLEGE

Concurrent

Enrollment

Ceramics Intermediate is designed to expand student skills and knowledge in ceramics. Students will explore new mediums and hand building techniques while beginning to develop a personal style. Course may introduce or work to strengthen student skills on the potter's wheel. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art.

Aligned with RRCC ART1703: Ceramics 1 for concurrent enrollment credit.

CERAMICS ADVANCED 05159C05021

(for full year: use same code for fall & spring)

Red Rocks Community College: ART1704 Ceramics II, ART1110 Art Appreciation

Credit: .5

Semester Course (Can be taken multiple times for additional credit. Students can earn up to 12 RRCC CE credits.)

Prerequisite: Ceramics Intermediate with a C or better

Grade: 10.11.12

Fee associated with this course

Ceramics Advanced is designed to deepen the ceramics knowledge of the student. Students may begin to specialize in a media / process while strengthening skills and developing a body of work that demonstrates a high level of expressiveness. Students will analyze their own work, participate in critiques,

and continue to study master artworks as a source of learning and inspiration. This course can be taken multiple times for credit.

<u>1st semester:</u> Aligned with RRCC ART1704: Ceramics II & ART1110: Art Appreciation for concurrent enrollment credit.

2nd semester: Aligned with RRCC ART2703: Ceramics III for concurrent enrollment credit.

SCULPTURE COURSES

SCULPTURE BEGINNING

05158G05012

Credit: .5 Semester Course Prerequisite: None

Prerequisite: None Grade: 9,10,11,12

Fee associated with this course

In Sculpture Beginning, students build on their knowledge of a variety of media and occupations in the 3D arts. Course work incorporates deepening study of specific and specialized 3D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, and reflect on artwork and their processes. Within this context, students will be expected to deepen their understanding of various career opportunities in the 3D arts and the knowledge, skills, and educational requirements for those opportunities. This course may explore Ceramics, Sculpture, Fibers, Jewelry, and 3-D Printing.

SCULPTURE INTERMEDIATE

05158G05022

Credit: .5

Semester Course

Prerequisite: Sculpture Beg

Grade: 9,10,11,12

Fee associated with this course

In Sculpture Intermediate, students deepen their knowledge of the variety of media, skills, and processes in the 2D arts. Course work incorporates specific, specialized, and self-initiated study of 3D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, reflect on artwork and their processes, and begin to transfer skills to other opportunities. Within this context, students will be expected to develop a body of work surrounding a common theme. This course may explore more complex processes in Ceramics, Sculpture, Fibers, Jewelry, and 3-D Printing.

SCULPTURE ADV

05158E05011

Credit: .5

Semester Course

Prerequisite: Sculpture Inter

Grade: 10,11,12

Fee associated with this course

In Sculpture Advanced, students deepen their knowledge of the variety of media, skills, and processes in the 3D arts. Course work incorporates specific, specialized, and self-initiated study of 3D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, reflect on artwork and their processes, receive expert feedback through critique, and transfer skills to other opportunities. Within this context, students will be expected to develop a body of work surrounding a common theme and explore various career opportunities in the 3D arts, as well as the knowledge, skills, and educational requirements for those opportunities. This course may support student led investigations of specialized processes in Ceramics, Sculpture, Fibers, Jewelry, and 3-D Printing.

JEWELRY COURSES

JEWELRY BEGINNING

05166G05012

Credit: .5 Semester Course Prerequisite: None Grade: 9,10,11,12

Fee associated with this course

Jewelry Beginning is an introduction course that includes instruction in basic jewelry design. Typically, students explore using various media, such as ceramic, papier-mâché, glass, plastic, copper-enameled, brass, and silver. Some Jewelry courses may concentrate on metalwork processes such as brazing, soldering, casting, welding, riveting, and finishing as they relate to the creation of jewelry. Additionally, course incorporates the study of jewelry design from a historical, social, and cultural viewpoint as a source of knowledge and inspiration.

JEWELRY INTERMEDIATE 05166G05022

Credit: .5

Semester Course

Prerequisite: Jewelry Beginning with a C or better

Grade: 9,10,11,12

Fee associated with this course

Jewelry Intermediate is designed to expand student skills and knowledge in metalwork. Students will explore new techniques while focusing on the compositional elements of jewelry design and beginning to develop a personal style. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of jewelry design.

JEWELRY ADVANCED 05166E05011 (for full year: use same code for fall & spring)

Credit: .5 (1 credit for full year)

Semester or Full Year

Prerequisite: Jewelry Inter with a C or better

Grade: 10,11,12

Fee associated with this course

Jewelry Advanced is designed to deepen the jewelry design knowledge of the student. Students may begin to specialize in a media / process while strengthening skills and developing a body of work that demonstrates a high level of expressiveness. Students will analyze their own work, participate in critiques, and continue to study master artworks as a source of learning and inspiration.

DRAWING & PAINTING COURSES

2D ARTS BEGINNING (DRAWING & PAINTING BEGINNING) 05155G05012

Credit: .5

Semester Course Prerequisite: None Grade: 9,10,11,12

Fee associated with this course

In 2D Arts Beginning, students build on their knowledge of the variety of media, skills, and processes in the 2D arts. Course work incorporates deepening study of specific and specialized 2D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, and reflect on artwork and their processes. Within this context, students will be expected to deepen their understanding of various career opportunities in the 2D arts and the knowledge, skills, and educational requirements for those opportunities.

DRAWING INTERMEDIATE 05156G05022

Credit: .5

Semester Course

Prerequisite: Creative Art- Draw/Paint (Drawing/Painting 1) with a C or better

Grade: 9,10,11,12

Fee associated with this course

Drawing Intermediate is designed to provide the student with a more in-depth approach to drawing. Students will explore a wide range of media while strengthening drawing skills and focusing on a high level of personal expression. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art.

PAINTING INTERMEDIATE 05157G05022

Credit: .5

Semester Course

Prerequisite: Creative Art- Draw/Paint (Drawing/Painting 1) with a C or better

Grade: 9,10,11,12

Fee associated with this course

Painting Intermediate is designed to provide the student with a more in-depth approach to painting. Students will explore a wide range of media while strengthening painting skills and focusing on a high level of personal expression. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art.

2D ARTS ADVANCED 05155E05011 (for full year: use same code for fall & spring)

Credit: .5

Semester or Full Year

Prerequisite: Creative Art- Drawing Intermediate OR Creative Art- Painting Intermediate with a C or better

Grade: 10,11,12

Fee associated with this course

In 2D Arts Advanced, students deepen their knowledge of the variety of media, skills, and processes in the 2D arts. Course work incorporates specific, specialized, and self-initiated study of 2D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, reflect on artwork and their processes, and begin to transfer their skills to other opportunities. Within this context, students will explore various career opportunities in the 2D arts and the knowledge, skills, and educational requirements for those opportunities. This course may support student led investigations of specialized processes in Drawing, Painting, Photo, Graphics, Animation, and Printmaking.

AP 2-D ART AND DESIGN 05174H05012 & 05174H05022

Credit: .5 (1 credit for full year)

Yearlong Course

Prerequisite: At least 1 semester of Intermediate Drawing or Painting, 1 semester of ADV Draw & Paint,

Commercial Photo 2 or with teacher recommendation

Grade: 11,12

Fee associated with this course

Designed for students with a serious interest in art, the AP 2D Art and Design course enables students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Students are asked to demonstrate proficiency in 2D design using a variety of art forms. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting or printmaking. This type of design involves purposeful decision making about how to use the elements and principles of art in an integrative way with the entire spectrum of ideas. The AP exam must be taken to receive a weighted grade.

AP 3D ART & DESIGN

05175H05012 & 05175H05022

Credit: .5 credit per semester (1 credit/year)

Yearlong Course

Prerequisite: At least 1 semester of Ceramics Adv. with a C or better

Grade: 11,12

Fee associated with this course

Designed for students with a serious interest in art, the AP 3D Art and Design course enables students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the course typically emphasizes quality of work, and attention to issues in depth and space. These may include mass, volume, form, plane, light, and texture. Such elements and concepts may be articulated through additive, subtractive, and/or fabrication processes. These might include traditional sculpture, architectural models, apparel, ceramics, three-dimensional fiber arts, or meal work, among others. This type of design involves purposeful decision making about how to use the elements and principles of art in an integrative way with the entire spectrum of ideas.

The AP exam must be taken to receive a weighted grade.

DIGITAL PHOTOGRAPHY COURSES



DIGITAL PHOTOGRAPHY BEGINNING

11054G05012

Credit: .5 Semester Course Prerequisite: none Grade: 9,10,11,12

Fee associated with this course

Digital Photography Beginning will introduce students to the use of digital cameras and digital image-editing software, primarily using Adobe Photoshop and Lightroom. The roles of scanning processes and equipment, image picture-taking modes and printing preparation, and various out-put devices will be explored in producing the photographic image. Exposure techniques such as pre-visualizing and the application of visual elements and lighting techniques will be stressed. Additionally, this course incorporates the study of photography from a historical, social, and cultural viewpoint as a source of knowledge and inspiration, as well as an exploration of possible photography careers.

DIGITAL PHOTOGRAPHY INTERMEDIATE

11054G05022



Credit: .5 Semester Course

Prerequisite: Digital Photography with a C or better

Grade: 9,10,11,12

Fee associated with this course

Digital Photography Intermediate is designed for students to continue to learn advanced digital camera and image editing techniques, including the use of the Camera Raw file format. Computer software, scanning equipment, out-put devices, and studio lighting will be employed. Course work incorporates specific, specialized, and self-initiated study of media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, and reflect on artwork and their processes. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art, as well as continue study of possible photography careers.

arts

DIGITAL PHOTOGRAPHY ADVANCED

11054E05011



Credit: .5 per semester Semester (enter 1st code listed)

Prerequisite: Digital Photography Intermediate with a C or better

Grade: 10,11,12

Fee associated with this course

Digital Photography Advanced is designed to deepen the digital photography knowledge of the student with regard to technical expertise, creativity, and professional equipment. Technical aspects include film to digital transfer, lighting, digital image manipulation, alternative processes, large format camera work and stock photography. Creative exploration of subject matter, lighting, color theory and other psychological characteristics in the development of images are developed. A variety of photographic equipment is utilized for the studio and on location. Course work incorporates specific, specialized, and self-initiated study of animation media, skills, and processes; while studio work incorporates adequate time to experiment with the course work, develop a body of work with a common theme, reflect on artwork and their processes, receive expert feedback through critique, and transfer skills to other opportunities. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art, as well as continue study of possible photography careers.

GRAPHIC DESIGN COURSES

GRAPHIC DESIGN/ ILLUSTRATION BEGINNING

11154G05012

Icoming the

Credit: .5 Semester Course Prerequisite: None Grade: 9,10,11,12

Fee associated with this course

In Graphic Design and Illustration Beginning, students build on their knowledge of the variety of media, skills, and processes in the Graphic Design and Illustration arts. Course work incorporates deepening study of specific and specialized media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, and reflect on artwork and their processes. Within this context, students will be expected to deepen their understanding of various career opportunities in the Graphic Design and Illustration arts and the knowledge, skills, and educational requirements for those opportunities. This course may explore Digital Photography, Graphic Design Arts, Multi-Media Arts, and Story Boarding.

GRAPHIC DESIGN & ILLUSTRATION INTERMEDIATE

11154G05022

Credit: .5

Semester Course

Prerequisite: Graphic Design & Illustration Beginning

Grade: 9,10,11,12

Fee associated with this course



In Graphic Design and Illustration Intermediate, students deepen their knowledge of the variety of media, skills, and processes in the Graphic Design and Illustration arts. Course work incorporates specific, specialized, and self-initiated study of media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, reflect on artwork and their processes, and begin to transfer skills to other opportunities. Within this context, students will be expected to develop a body of work surrounding a common theme. This course may explore more complex processes in Digital Photography, Graphic Design Arts, Multi-Media Arts, and Story Boarding.

GRAPHIC DESIGN & ILLUSTRATION ADVANCED 11154E05011

Credit: .5 per semester (1 credit/year)

Semester or Full Year

Prerequisite: Graphic Design & Illustration Beginning

Grade: 10,11,12

Fee associated with this course

Icoming that works for America

Design portfolios are expanded upon and improved in this second year of Graphic Design & Illustration. There is study of college design and media programs. More time is spent learning advanced concepts in illustration and the advertising and media business as well as new software programs while continuing to hone skills in image editing and digital photography. Large format printing of projects is common in this class. Students may select an area of visual communication to begin specializing in during this year of study. It is a high level of media study where specializations such as motion graphics may begin.

WOODWORKING

WOODWORKING TECHNOLOGY

17006G05014

Credit: .5 Semester

Prerequisite: None Grade: 9,10,11,12

Fee associated with course



Woodworking Technology provides an overview of the planning, design, layout, and technical drawing interpretation for practical use in woodworking, cabinetmaking, and mill working. Different cabinet and furniture styles used, various wood products and materials, and proper tool selection may also be covered. Students will be introduced to the different construction processes in the cabinetmaking, furniture making, and millwork industries. Students will learn about measurement, layout, shop drawings and cutting lists. They will gain a basic understanding of the various kinds of materials used in the industry. Students will learn to use selected woodworking tools and machinery. Correct and safe use of tools and equipment is emphasized. The construction of several projects will develop student's woodworking skills.

WOODWORKING TECHNOLOGY II

17006G05034

Credit: .5 Semester

Prerequisite: Woodworking Technology

Grade: 10,11,12

Fee associated with course.



In Woodworking Technology II, students will expand their knowledge of workshop and tool safety, joinery techniques, project design, shop maintenance, power tool and hand tool use and wood theory. There will be an emphasis on craftsmanship and on joinery skills, attention to detail and elements of design.

WOODWORKING TECHNOLOGY III 17006E05012

Credit: .5 Semester

Prerequisite: Woodworking Technology II

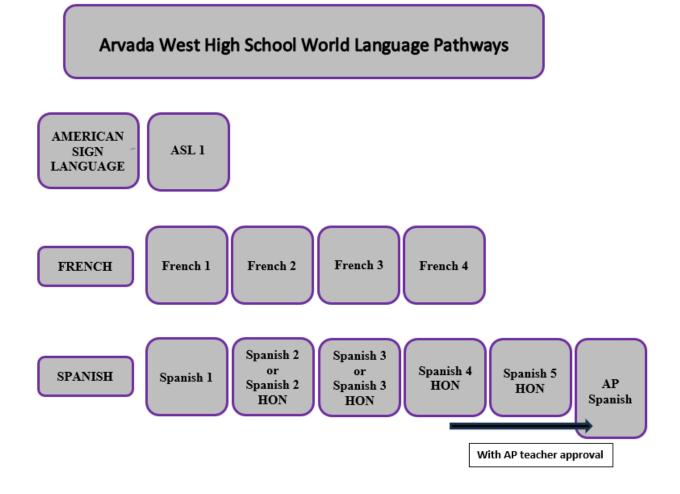
Grade: 11,12

Fee associated with course



Woodworking Technology III provides continuing instruction in woodworking with a blend of historic and modern technology skills. This course includes in-depth instruction of hand tools, power tools, custom made tools, advanced woodworking techniques, drafting and wood science.

WORLD LANGUAGES



N=NCAA Core Courses

AMERICAN SIGN LANGUAGE I - N

06801G05012 & 06801G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Designed to introduce students to American Sign Language, American Sign Language I courses enable students to communicate with deaf persons through finger spelling, signed words, and gestures. Course topics may include the culture of and issues facing deaf people.

FRENCH I - N 06121G05012 & 06121G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: None Grade: 9,10,11,12

Fee associated with course

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

FRENCH II - N 06122G05012 & 06122G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: French I Grade: 9,10,11,12

Fee associated with course

French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French- speaking people to deepen their understanding of the culture(s).

FRENCH III - N

06123G05012 & 06123G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: French II Grade: 9,10,11,12

Fee associated with course

French III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

FRENCH IV - N

06124G05012 & 06124G05022

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: French III Grade: 10.11.12

Fee associated with course

French IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

SPANISH I - N 06101G05012 & 06101G05022

Credit: .500 per semester. (1 credit per year)

Full Year Course

Prerequisite: Strongly Recommend C or better in current ELA class

Grade: 9,10,11,12

Fee associated with course

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

SPANISH II - N 06102G05012 & 06102G05022

Credit: .500 per semester. (1 credit per year)

Full Year Course

Prerequisite: Prerequisite: Spanish I with a grade of 60% or higher (both semesters) C or better recommended

Grade: 9.10.11.12

Fee associated with course

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish- speaking people to deepen their understanding of the culture(s).

SPANISH II– HONORS - N 06102H05012 & 06102H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Successful completion of Spanish I with a grade of 80% or higher (both semesters), and

approval of the Spanish I teacher.

Grade: 9,10,11,12

Fee associated with course

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish- speaking people to deepen their understanding of the culture(s). The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.

SPANISH III - N

06103G05012 & 06103G05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Spanish II with a grade of 60% or higher (both semesters) C or better recommended

Grade: 9,10,11,12

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

SPANISH III HONORS - N

06103H05012 & 06103H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Successful completion of Spanish II or Spanish II Honors with a grade of 80% or higher

(both semesters), and approval of the Spanish II teacher.

Grade: 9,10,11,12 Fee associated with course

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.

SPANISH IV HONORS - N

06104H05012 & 06104H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Successful completion of Spanish III or Spanish III Honors with a grade of 80% or higher (both semesters), and approval of the Spanish III teacher. * Heritage Speakers may be placed in Spanish

IV Honors

Grade: 9,10,11,12 Fee associated with course

Spanish IV Honors engages students in a highly rigorous curriculum which emphasizes cognitive skills in interpersonal, interpretive and presentational communication. The honors course aligns with and thoroughly extends the curriculum of Spanish 4, however, added rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments and more complex materials. The honors course prepares students for AP or other types of advanced course work and engages students in enrichment opportunities. Higher level critical and creative thinking skills are emphasized throughout the honors course. Students will be expected to speak exclusively in Spanish and will reach an intermediate-mid to intermediate-high proficiency level.

SPANISH V HON - N

06105H05012 & 06105H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Spanish IV Hon or Heritage Speaker Grade: 10,11,12 Fee associated with course

Spanish V Honors courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Conversation, comprehension, cultural comparison, and grammar review are emphasized in this course. While not a prerequisite for the AP course, Spanish V Honors can be taken as an extra year of preparation before the AP course. Higher level critical and creative thinking skills are emphasized throughout the honors course. Students will be expected to speak exclusively in Spanish and will reach an intermediate-mid to intermediate-high proficiency level.

AP SPANISH LANGUAGE & CULTURE - N

24064H05012 & 24064H05022

Credit: .500 per semester (1 credit per year)

Full Year Course

Prerequisite: Spanish V Honors OR Spanish IV Honors + AP Teacher Approval

Grade: 10.11.12

Fee associated with course, AP Exam

Designed by the College Board to parallel college-level courses in Spanish Composition and Conversation, AP Spanish Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on. (Special focus is given to cultural topics and current events in the Spanish-speaking world). Students are encouraged to take as many Spanish courses as possible prior to taking the AP Spanish Language course. AP Spanish Language & Culture

SPANISH - HERITAGE SPEAKERS 1

06999G05014 & 06999G05024

Credit: .500 per semester (1 credit per year)

Full Year Course Prerequisite: None Grade: 9,10,11,12 CollegeBoard

Program

Advanced Placement

Fee associated with course

Note: If there are not enough students to form a class, Heritage Speakers will be placed in Spanish IV Honors

Spanish for Heritage Speakers I serves heritage Spanish-speakers, born or educated in the U.S., and other students whose mother tongue is not Spanish but whose proficiency in Spanish is not fluent. This course is designed to provide students with an active and rewarding learning experience as they strengthen their language skills and develop their cultural competency. This course focuses on real communication in meaningful contexts that develop and consolidate students' speaking, listening, reading, and writing skills. Students completing this course would take Heritage Spanish II.

SPECIAL EDUCATION SERVICES

Course Offerings

Exceptional Student Services Lab and Co Taught Course Options	
9th Grade Options	9th Grade English (Lab) English 9 - Co-Taught Algebra 1 - Co-Taught World Geography - Co-Taught Study Skills
10th Grade Options	10th Grade English (Lab) English 10 - Co-Taught Geometry - Co-Taught Study Skills
11th Grade Options	11th Grade English (Lab) English 11 - Co-Taught Probability & Statistics - Co-Taught Study Skills ACE Career Dev Planning
12th Grade Options	12th Grade English (Lab) English 12 - Co-Taught Economics - Co-Taught Study Skills ACE Career Dev Planning

Courses will be assigned to students' based on their Individualized Education Plan (IEP) and case manager's recommendations.

Significant Support Needs III

Diagnostic Reading
Foundational Science
Adaptive Physical Education
Particular Topics in Foundational Math
Life Skills

SPECIAL PROGRAMS

ACE CAREER DEVELOPMENT PLANNING 22151G05011

Credit: .500 Semester Course

Prerequisite: No Prerequisite required

Grade: 11.12

Fee Associated with course

As developmentally appropriate, ACE Career Planning is designed for students to create an individual, initial career plan that outlines steps to reach their career goal. Students will identify a career goal based upon results of various assessments, i.e. interest survey, aptitude evaluation, academic skills, learning styles, work preferences, etc. Students will also investigate the training and educational requirements (academic planning & post-secondary options) for their chosen career field. Students should be able to articulate short-term actions necessary to achieve the goal(s) in their career plan; including intentional academic planning, high school choices based on self-awareness, career exploration and post-secondary aspirations. Whenever possible, computer literacy skills, and leadership skills tied to a CTSO should be embedded into the curriculum.

PERCEPTUAL COMMUNICATIVE/SIED PROGRAM

Full Year Course

Prerequisite: Placement by staffing

Grade: 9,10,11,12

This program is for students with documented educational disabilities designed to meet individual interest, needs and abilities. Eligibility and admission into the program are determined by county, state, and federal guidelines. Students will complete 22 hours of required credit and will meet or exceed the district standards as identified and determined by their IEP. Course of study may include: English, math, Social Studies, Career Skills and Work Experience.

LIBRARY/AVC AIDE

Credit: .500 (Pass/Fail) Offered: Semester Course

Prerequisite: Librarian Approval

Grade: 10,11,12

Library/AVC Aide courses provide students with the opportunity to work in the library or in media and audiovisual centers. Duties may include collecting, distributing, and categorizing materials; operating audiovisual equipment, assisting students and teachers; and performing clerical duties. Students typically gain experience in library science and/or media and audiovisual technology.

TEACHER AIDE

Credit: .250 (Pass/Fail) Offered: Semester Course Prerequisite: Teacher Approval

Grade: 10,11,12

Teacher Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students.

OFFICE AIDE

(Main Office/Attendance)

Credit: .500 (Pass/Fail) Offered: Semester Course Prerequisite: Secretary Approval

Grade: 10,11,12

Office Aide courses provide students with the opportunity to work in campus offices, developing skills related to clerical office work. Duties may include typing, filing, record-keeping, receiving visitors, answering the telephone, and duplicating, among others. These courses emphasize appropriate work attitudes, human relations, confidentiality, and proper office procedures. Students selected MUST have excellent attendance, be dependable, and follow directions explicitly.

COUNSELING AIDE

Credit: .500 (Pass/Fail) Offered: Semester Course

Prerequisite: Secretary Approval

Grade: 10,11,12

Guidance Aide courses provide students with the opportunity to work in the campus guidance office. Duties may include typing, filing, record-keeping, assisting students, answering the telephone, and duplicating, among others. Students may also act as guides to new students. These courses emphasize appropriate work attitudes, human relations, and proper office procedures.

PEER MENTORING

Credit: .500 (Pass/Fail) Offered: Semester Course

Prerequisite: Teacher and/or Administrator Approval

Grade: 10,11,12

Peer Mentoring gives students the opportunity to assist instructors in preparing, organizing, or delivering course curricula for our challenge students in Adapted P.E. and Ceramics classes. Peer Mentors will assist these students in delivery of the curricula. These courses emphasize appropriate work attitudes and human relations.

UNIFIED MENTORING

22999G05014

Credit: .500 (Pass/Fail)
Offered: Semester Course

Prerequisite: Teacher and/or Administrator Approval

Grade: 10,11,12

Unified mentors will offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. This class is comprised of peer mentors who work with students with special needs that choose to participate in an adapted experience. Mentors are trained by the instructors before beginning contact with students who have exceptional educational needs due to disability in the class. This course will work with students in our Ceramics classes.

STUDENT GOVERNMENT

22101G05012 & 22101G05022

Credit: .500 Full Year Course

Prerequisite: Application/Interview/Acceptance (new students only)

Grade: 9,10,11,12

This course is composed of responsible and motivated students. Class objectives include bridging major communication gaps within the school and county, and promoting and maintaining school pride and spirit. In addition to aiding growth of maturity and responsibility, the course will offer many opportunities to do service projects for the community and school and to exhibit and develop leadership abilities.

OUTDOOR LAB STUDENT LEADER

Credit: .500 (Pass/Fail) or 110 Community Service Hours

One Week at Outdoor Lab School Prerequisite: Application and Selection

Grade: 11,12



Juniors and Seniors assist elementary schools as High School Leaders at Outdoor Education Lab School for one week. Students will work with elementary classroom teachers during planning and preparation periods prior to attending Outdoor-Lab school and will assist with teaching small groups of sixth graders, supervising dormitory/cabin and cafeteria activities, and carrying out other duties during the week site. They are responsible for making up class work missed in other courses while they are at Outdoor Education Lab School. Grading is on a Pass/Fail basis, and the performance will be evaluated by the teachers and principals at Outdoor Education Lab School. Registration for this course must be done through the Counseling Center. A 2.5 GPA is required to be an Outdoor Lab leader for Arvada West High School.

STUDENT PLANNING SHEET

Please refer to graduation requirements and in-state college entrance requirements (HEAR) to guide your course selections. More information can be found on pages 4-10 of this planning guide.

FRESHMAN YEAR

First Semester	Second Semester
1	1
2	
3	
4	
5	
6	
7	
	SOPHOMORE YEAR
First Semester	Second Semester
1	1
2	
3	
4	
5	5
6	
7	
	JUNIOR YEAR
First Semester	Second Semester
1	
2	
3	
4	4
5	
6	
7	7
	SENIOR YEAR
First Semester	Second Semester
1	1
2	
3	3
4	4
5	5
6	
7.	7.