



Aspen Valley High School

2026-2027 Course Guide

Aspen Valley High School

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Aspen Valley High School Course Guide 2026-2027

This curriculum guide has been reformatted for readability and accessibility while preserving the Aspen Valley High School course information from the original guide.

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

Graduation Requirements

Graduation Requirements Policy IKF

Aspen Valley is a four-year high school. District 20 graduation requirements are based on credits earned in grades 9 – 12. Some mathematics and world language courses completed while in middle school may meet high school graduation requirements; however, only credit earned in grades 9 – 12 shall be counted toward graduation credit requirements and grade point average calculations.

For students graduating in the 2020-2021 school year, and for each graduating class thereafter, students must:

Students must complete all graduation requirements in the required categories in order to participate in the Aspen Valley High School graduation ceremony.

Graduation requirements are based on the units of credit earned in grades 9 through 12. A unit of credit is defined as the amount of credit given for the successful completion of a course.

Students must:

- Meet coursework requirements that reflect a well-rounded sequence of courses preparing D20 graduates for a wide range of post-secondary options.
- Demonstrate proficiency in both math and English language arts (ELA).

Coursework Requirements

Course Type	Credits	Special Notes
English	8	Grade-specific English courses only. English electives do not count toward graduation requirements.
Math	6	All students must complete Algebra 1 and Geometry (either in middle school or in high school). All students must earn 6 math credits during grades 9-12
Science	6	Four of the six credits must be from laboratory science classes.
Social Science	6	Social Science requirements include two required credits of U.S. History, one credit of Civics, and two required credits of *World History or another course covering Holocaust and Genocide studies as required by House Bill 20-1336. World History requirement begins with the Class of 2028.
World Language	2	High school level world language courses taken in middle school may apply to this requirement but will not count toward the requirement of 50 total credits. When applying middle



		school world language credits to meet this requirement, 2 additional core elective credits must be earned.
Core Electives	6	Core elective requirements include courses in English, world language, mathematics, science, and social science.
Unrestricted Electives	11	
Physical Education	3	
Health	1	
Arts	1	Arts requirements include visual and performing arts.
Total	50	

* Beginning with the ninth-grade class of 2024-25, World History or another course covering Holocaust and Genocide studies as required by House Bill 20-1336 will become a requirement for graduation.

Math and ELA Proficiency

- Meeting the established minimum score on one of CDE's approved assessments.
- Obtaining an approved industry certificate that aligns with their individual career and academic plans (ICAP).
- Obtaining a 3- or higher in an approved concurrent enrollment, college level course that aligns with their ICAP.
- Obtaining a passing score on a capstone project approved for math and/or ELA that aligns with their ICAP.

General Information

Aspen Valley High School makes every effort to create a comprehensive master schedule designed to fit students' academic needs. All freshmen, sophomores, and juniors must carry seven classes per semester. Seniors must carry a minimum of six classes per semester. Partial Absences must be approved for any student with a partial absence each semester.

Partial Absences

Approval of parent, counselor, and administrator is required. Students receive no credit for partial absence. School approval of partial absences is contingent upon several conditions, including the following: students are expected to be off campus during their partial absence and must provide their own transportation to and from school. Students must remain on track with credits toward graduation; partial absences will not be approved for students who are in danger of not accumulating enough credits to graduate with their class. Seniors may take a maximum of two partial absences per semester. Freshmen, sophomores, and juniors may take a maximum of one partial absence per semester.

Conditions and Additional Information

- Partial absences are only available to full-time students.
- Partial absences are scheduled for the first and last blocks of the day.
- Seniors may have back-to-back partial absences.
- College-bound students should consider the strength of their academic records before choosing a partial absence.
- Student athletes should check NCAA eligibility requirements before submitting a partial absence request.
- Students and parents must verify, via transcripts, that students are on track to meet graduation requirements.



- Students must provide their own transportation to/from school during waiver periods and must not be on school grounds during the time of the partial absence. Students may not be in the library or lobby during partial absences.
- District 20 and Aspen Valley administration and staff are not responsible for student safety or well-being during partial absence periods.
- Partial absences carry NO CREDIT and do not count toward graduation requirements.
- Approval of partial absences is solely at the discretion of school administration.
- Parents and students assume all risks associated with partial absences, including graduation requirements, NCAA eligibility, and post-secondary education admission requirements.
- Students with partial absences are responsible for knowing changes to the typical class schedule, like late starts, and being in classes on time.
- Signed parental approval for any partial absence is due during the first week of the semester.
- Seniors (ONLY) who wish to schedule a 2nd partial absence in either semester should use course numbers 191247 A/B (Morning) or 191249 A/B (Afternoon)

Student Classification

Aspen Valley is a four-year high school. Graduation requirements are based on the year students enter high school and assume a four-year progression. In order to be eligible for participation in commencement exercises, students must complete all graduation requirements.

Year in High School	Classification
1st year in high school	Freshman (9)
2nd year in high school	Sophomore (10)
3rd year in high school	Junior (11)
4th year in high school	Senior (12)

Marking System and Grade Point Averages

Letter Grade	Score	Letter Grade	Points
A+	96.5	A	4.0
C+	76.5	B	3.0
A	93.5	C	2.0
C	73.5	D	1.0
A-	89.5	F	0.0
C-	69.5		
B+	86.5		
D+	66.5		
B	83.5		
D	63.5		
B-	79.5		
D-	59.5		
F	<59.5		

NC: no credit, not used in computation

WP: withdraw pass, not used computation

WF: withdraw fail, not used in GPA calculation

P: passing, not used in computation

*NOTE: Plus/Minus grades do not change GPA.



Graduation and Honors Regalia

Official Aspen Valley graduation regalia includes the cap, gown, and honors cords and medals awarded by the school.

Honor graduates wear cords during the graduation ceremony indicating their Aspen Valley High School academic achievements. These include Honor Graduates as well as the following Aspen Valley awarded cords:

- 3.5 or higher GPA (gold and blue cord)
- Career Start or 9+ credit hours (navy and silver cord)
- Participation in College Course (citron cord)
- Participation in Community Service (apricot cord)
- Participation in D20 Sports (platinum cord)
- Submitted Job Hours (pink cord)
- Student with a Military Parent (purple cord)
- Participation in Sources of Strength (gold cord)
- Student participating in an Internship (hunter green cord)
- Students participating in Student Government (maroon cord)
- Students participating in Yearbook (ming cord)
- AFJROTC graduates also wear cords awarded by their respective program.

Graduating students are expected to wear the attire customarily worn for the graduation ceremony at their school, with the specific exceptions outlined below (per School Board Policy JICA).

A student may adorn the cap, gown, or stole customarily worn at their school with traditional objects of tribal regalia and/or objects of cultural or religious significance. Adornments are something worn in addition to, but not replacing, graduation attire, and are not limited to decorating graduation caps. Tribal regalia or objects of cultural or religious significance means formal attire used in recognized practices and traditions of a certain group of people. Adornments cannot include any alphabetical letters other than the student's name or numerals other than the graduating class (e.g. Class of 2026). Other written statements, phrases, or slogans are not permitted.

Students may be required to request permission to wear an adornment in advance, and the district reserves the right to prohibit any adornments that are obscene, defamatory, fraudulent, profane, threatening, inappropriate, or disruptive or violate the dress code in any other manner. If it is determined that the adornment would cause a substantial disruption based on reliable evidence, the student's request may be denied. Students who wear adornments that have not been approved may be required to remove the adornment if the adornment is substantially disruptive.



Aspen Valley High School 2026-27 Course Offerings

The following sections present course descriptions in an accessible format modeled after the Rampart guide.

English - Course Descriptions

American Lit & Comp

- Course: 053145A/B
- Length of course: One Year
- Grades: 11-12

This course emphasizes the study of American literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills.

Comp & Lit 4

- Course: 050025A/B
- Length of course: One Year
- Grades: 11-12

This class prepares seniors for freshman college English composition courses and introduces a spectrum of traditionally canonical literature with which college-bound students are expected to be familiar. Students will write analyses of literature as well as a variety of essays including narration, description, persuasion and exposition.

Contemporary Lit

- Course: 053200
- Length of course: One Semester
- Grades: 10-12

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

Creative Writing 1

- Course: 054200
- Length of course: One Semester
- Grades: 10-12

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

Freshman Language & Literature

- Course: 050052A/B
- Length of course: One Year
- Grade: 9

Language and Literature focuses on developing recognition of types of text and improving communication skills through reading, writing, listening, and speaking. Additionally, teachers use the IB/MYP aims and objectives along with the Learner Profile. This course also cultivates research skills to develop critical thinking skills across many types of media. Global Contexts direct learning toward independent and shared inquiry into our common humanity and shared guardianship of the planet. Year 4 of the Middle Years Programme focuses on classic and contemporary literature, including a classic British play, and other nonfiction texts.

Graphic Novels

- Course: 053906



- Length of course: One Semester
- Grades: 10-12

This class will introduce students to the genre of the graphic novels, which combines storytelling elements with those of a comic book. Through reading, discussing and writing about a variety of graphic novels, students will learn the key features of book-length texts and the relationship between words and images, thematic and structural connections and reading strategies. By the end of the course students will have created their own graphic story.

Monster/Mayhem in Fiction/Film

- Course: 053230
- Length of course: One Semester
- Grades: 10-12

In this course, students explore these stories through an analysis of genres and the complex interplay between film and literature. Students will learn how to "read" multiple layers of both film and literature while uncovering the patterns in theme, character, symbol, and so on.

Mythology

- Course: 053500
- Length of course: One Semester
- Grades: 10-12

Students will study connections between classical myths and myths of modern culture.

Native American Literature

- Course: 053240
- Length of course: One Semester
- Grades: 10-12

Students will explore a diverse body of literature authored by Native peoples of North America. Using various media, students will explore contemporary fiction, non-fiction, and poetry by Native American writers. In addition, students will analyze oral, written, and visual storytelling and record-keeping methods with an emphasis on traditions.

Poetic Genres

- Course: 053220
- Length of course: One Semester
- Grades: 10-12

Topics may include epic poems, poems from various American, British, and World lit movements (Roman, natural modernism). It focuses on the writing and scholarship of poetry and seeks ways for poetry to have meaning in student's lives. This course emphasizes diversity.

Speech

- Course: 055000
- Length of course: One Semester
- Grades: 9-12

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

World Lit & Comp

- Course: 053115A/B
- Length of course: One Year



- Grades: 10-12

This course emphasizes the study of world literature and uses that study as a vehicle for refining vocabulary, grammar, writing and oral communication skills.

World Language - Course Descriptions

American Sign Language 1

- Course: 062095A/B
- Length of course: One Year
- Grades: 9-12

American Sign Language is a manual language which entails vocabulary, grammar, sentence structure, and body movement to express meaning for communication. Lessons or units also include cultural aspects to help the student understand and interact with the Deaf. Students are introduced to these aspects in units, which are ordered in a manner to build upon the previous units. Lessons are structured around language needed or common life situations. Major concepts are reinforced through reading materials, video, cooperative learning activities, and long-term assignments. All assignments are introduced to fulfill District 20's standards for world language.

American Sign Language 2

- Course: 062096A/B
- Length of course: One Year
- Grades: 10-12
- Prerequisite: ASL1

American Sign Language (ASL) is a manual language which entails vocabulary, grammar, sentence structure as well as body movement to express meaning for communication. ASL II will build upon ASL I with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language.

American Sign Language 3

- Course: 062097A/B
- Length of course: One Year
- Grades: 10-12
- Prerequisite: ASL2

American Sign Language (ASL) is a manual language which entails vocabulary, grammar, sentence structure as well as body movement to express meaning for communication. ASL III will build upon ASL II with units including cultural aspects to help students understand and interact with the Deaf. Lessons are structured around language needed for common life situations. All assignments are introduced to fulfill District 20's standards for world language.

American Sign Language 4

- Course: 062100A/B
- Length of course: One Year
- Grades: 10-12
- Prerequisite: ASL3

ASL IV continues from ASL I, II, and III to provide further study of American Sign Language (ASL) and its grammar, syntax and cultural features. ASL IV helps students develop competency and fluency in the language. Variations in ASL are addressed. Students are provided with an opportunity to recognize the impact of Deaf Culture on emerging ASL literature. The course includes non-fiction, fiction, poetry, and drama depicted in reading and videotapes related to everyday lives of Deaf people.



Mathematics - Course Descriptions

ACE Financial Literacy

- Course: 109160A/B
- Length of course: One Year
- Grades: 10-12

This course is designed for students to learn and practice financial literacy.

ACT/SAT Math & Engl College Prep

- Course: 191266
- Length of course: One Semester
- Grades: 10-12

Students will review mathematical and reading/writing concepts and skills for success with the ACT and SAT standardized exams. Additionally, students will engage in skill-based lessons as a way to refresh past learning, as well as practice test-taking strategies.

Algebra 1

- Course: 111100A/B
- Length of course: One Year
- Grades: 9-12

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

Algebra 1

- Course: 111100AB
- Length of course: One Semester
- Grades: 9-12

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

Algebra 2

- Course: 11200A/B
- Length of course: One Year
- Prerequisite: Algebra 1, Geometry

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



Geometry

- Course: 116010A/B
- Length of course: One Year
- Prerequisite: Algebra 1

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

Math Lab

- Course: 119005
- Length of course: One Semester
- Grades: 10-12

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

Pre-Calculus

- Course: 113000A/B
- Length of course: One Year
- Grades: 10-12

Pre-Calculus builds upon topics covered in Algebra 2 and FST. Additional topics include analytical geometry, vectors, polar coordinates, and introductory calculus. Problems are linked to real-world applications with an emphasis on graphing, vocabulary, and technical writing. This course is designed to prepare students for calculus and college mathematics.

Science - Course Descriptions

Anatomy and Physiology 1

- Course: 132000A/B
- Length of course: One Year
- Grades: 10-12

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

Biology

- Course: 081000
- Length of course: One Year
- Grades: 10-12

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

Biotechnology

- Course: 132045A/B



- Length of course: One Year
- Grades: 10-12

Biotechnology is a full year laboratory class that explores laboratory techniques and protocols. Topics covered include isolating DNA samples, bacterial transformation, gel electrophoresis and gene splicing. Considerable time is spent on investigation of bioethical issues. Additionally, the class addresses science as a process, evolution, relationships of structure to function, regulation and societal implications- past, present and future. This course provides the motivated student the necessary skills and background to advance their interest and understanding of genetic engineering and biomedical science.

Biotechnology 2

- Course: 132046A/B
- Length of course: One Year
- Grades: 10-12

Students will apply laboratory techniques and protocols as they delve deeper into the ethical, social, financial, and legal issues arising from biomedicine and biomedical research. From the perspective of scientific discovery and the lens of multiple viewpoints, students will apply research and communication skills as they explore the ethical, social, and legal questions that arise in the relationships among life sciences, biotechnology, law, and philosophy.

Chemistry

- Course: 133115A/B
- Length of course: One Year
- Grades: 10-12

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

Environmental Science

- Course: 132405A/B
- Length of course: One Year
- Grades: 9-12

Environmental Science explores the natural world from an ecological and human point of view. Topics covered include types of ecosystems, non-living and living components of ecosystems (including plants, animals, bacteria, fungi, and single-celled organisms), interactions between the non-living and living components, population studies, and animal behavior. In addition, this course also examines discussions on environmental law, economics, ethics, and how humans are impacting the natural world. Lab investigations, field studies, and research projects are undertaken to examine each topic.

Forensic Science

- Course: 139000A/B
- Length of course: One Year
- Grades: 10-12

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



Forensic Science 2

- Course: 139002A/B
- Length of course: One Year
- Grades: 10-12

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

Health and Wellness

- Course: 081000
- Length of course: One Semester
- Grades: 9-12

The goal of this class is to educate students on the basic principles of the physiology of exercise. The class is designed for students who have an interest in exercise or students who feel more comfortable receiving PE credit in the classroom rather than in the gym. This course may be also taken for science credit.

Introduction to Medicine

- Course: 071030
- Length of course: One Semester
- Grades: 9-12

This non-laboratory science course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students review basic human anatomy and physiology, then study major health concerns. This comprehensive course examines such topics as human development, nutrition, medical ethics, mental illnesses, infectious disease, cancer, traumatic injuries, and healthcare career options.

Life, Earth, and Space Science

- Course: 130010A/B
- Length of course: One Year
- Grades: 9-12

This multidisciplinary science course features a strong inquiry thread throughout the core concepts in life science and the earth/space sciences. Concepts are explored through a thematic approach which incorporates lab work, field work, projects, and research. Opportunities to work with other grade levels will also be explored.

Principles of Horticulture Science

- Course: 132100A/B
- Length of course: One Year
- Grades: 9-12

In this lab-based course, students will be introduced to the horticulture industry. Horticulture is an agricultural science with major units of instruction including horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, soil science, and growing greenhouse crops. Students will develop their knowledge and skills, and expand their learning to construct, maintain, and use plant-growing structures; and apply proper design and installation of landscapes including turf grass care and management.

Science in the Imagination

- Course: 131010



- Length of course: One Semester
- Grades: 9-12

Stretch your imagination with this course. Experience some great literature and movies then explore the good and bad science behind the fiction. This class will combine reading, writing and scientific principles including forensics. Students will perform hands on experiments and activities. They will then present findings to the class.

Social Science - Course Descriptions

American Pop Culture

- Course: 151600
- Length of course: One Semester
- Grades: 10-12

American Popular Culture examines the 20th century and its dramatic evolution in history, culture, and social ideals. Over the course of this century, Americans have experienced two world wars, civil rights protests, the military, and social tension of the Vietnam conflict, the birth of jazz and rock n roll, and the British invasion which brought the introduction of pop music. The stage and screen have skyrocketed into the forefront of popular entertainment and also developed into a powerful medium for social comment. Topics covered include history through music, plays, movies, people, and performances that have helped to make this century so exciting. While reading and writing are emphasized, the class also studies novels, films, plays, music, interviews, and experts. Students are expected to read outside material provided by the instructor. This course may not be substituted for U.S. History credit.

Civics and Law

- Course: 157105
- Length of course: One Semester
- Grades: 10-12

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

Contemporary Problems

- Course: 157305
- Length of course: One Semester
- Grades: 10-12

Students will study issues of global, national, and local significance. They will develop an understanding of causes, effects, and influences pertinent to contemporary issues.

Multicultural America

- Course: 155105
- Length of course: One Semester
- Grades: 10-12

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

Street Law

- Course: 157125
- Length of course: One Semester



- Grades: 10-12

Street Law provides practical information and problem-solving opportunities that allow students to better survive in our society. The curriculum includes case studies, role-plays, small group exercises, and seminar-type class discussions. Special attention is paid to the U.S. Constitution as the supreme law of the land. Topics such as how the justice system works, the application of the Bill of Rights to daily life, criminal law, civil law, and family law is addressed. An emphasis is placed on Colorado law and its application.

US History/Geography

- Course: 155505A/B
- Length of course: One Year
- Grades: 11-12

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

World History/Geography

- Course: 155905A/B
- Length of course: One Year
- Grades: 9-12

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

Physical Education - Course Descriptions

Lifelong Rec Sports

- Course: 084000
- Length of course: One Semester
- Grades: 9-12

This class places an emphasis on lifelong activities that may include activities such as golf, archery, bowling, cycling, tennis, aerobics, roller skating, badminton, aquatic activities, board games, juggling, weights and other special recreational activities. Conditioning and fitness will be included through various aerobic activities.

PE Fusion

- Course: 083540
- Length of course: One Semester
- Grades: 9-12

This course fuses three Physical Education classes into one course. Students will participate in three six week rotations participating in Racquet Sports, Weights and Fitness, and Lifelong Sports. This class will focus on activities to gain an appreciation for life-long fitness and enhance personal fitness including cardiovascular endurance, muscular strength and endurance, flexibility, strength and agility. The student will demonstrate fundamentals of tennis, badminton, table tennis, and pickleball while enhancing eye/hand coordination, agility and mental strategies. Students will participate in a weight training program, learning specific exercises to enhance muscular development. In addition, students will learn correct lifting and spotting techniques, names of major muscle groups, and principles for lifting. Finally, the student will learn the fundamentals and basic skills to participate in a variety of individual and team lifelong sports.



Peer PE

- Course: 083005
- Length of course: One Semester
- Grades: 9-12

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

Total Fitness

- Course: 083205
- Length of course: One Semester
- Grades: 9-12

This class will incorporate various types of fitness activities aimed at improving cardiovascular fitness, flexibility, and strength. Activities may include floor aerobics, kickboxing, Tae-Bo, running, hiking, walking, interval training, resistance strength training, Pilates, yoga, slide training, fitball, and biking.

Weights and Fitness 1

- Course: 083215A/B
- Length of course: One Year
- Grades: 9-12

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

Fine Arts - Course Descriptions

Art 1

- Course: 020000
- Length of course: One Semester
- Grades: 9-12

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

Art 2

- Course: 020005
- Length of course: One Semester
- Grades: 9-12
- Prerequisites: Art 1

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

Art and New Media

- Course: 023900



- Length of course: One Semester
- Grades: 9-12

This course will provide students with the opportunity to develop their ideas in a thematic context and use alternative materials and modalities to convey these ideas to viewers or an audience. The new media will include video projections, public art, environmental art, re-formed plastics, and performance art.

Careers in Art

- Course: 029080
- Length of course: One Semester
- Grades: 10-12

This course will offer students the opportunity to investigate careers related to the visual arts. Students will cycle through a series of units that explore different career options in the arts which may include Art Curator, Interior Designer, Tattoo Design, Real-estate Photographer, Photographer, Architect, Art Teacher, Fashion Designer, and Artist. The course will be project based, and students will be expected to create products in visual arts media. By the end of the course, students will have a culminating portfolio of investigative units that portrays all the careers they've studied with the products they created.

Computer Animation

- Course: 026010
- Length of course: One Semester
- Grades: 9-12

Students will learn how to create original computer animations using industry standard software. Projects will emphasize use of wireframe, motion paths, lighting and texture in producing original content. Students will create a portfolio of their work during this class.

Intro Art and Design

- Course: 022005
- Length of course: One Semester
- Grades: 9-12

This is a beginning level art sampler class designed to help students tap into and explore their creative side. Students will enjoy learning skills in the use of a variety of media which may include: drawing, painting, photography, computer graphic design, ceramics, printmaking, and more. Guest teachers and artists may appear to share their expertise.

Jewelry Making

- Course: 023100
- Length of course: One Semester
- Grades: 9-12

Students will explore jewelry design using a variety of materials. Students will learn basic skills and techniques for working with various materials. Jewelry projects will challenge students to use creative thinking and problem solving skills, elements of art, and principles of design.

Sculpture

- Course: 028000
- Length of course: One Semester
- Grades: 9-12

This course is a studio-based art class introducing students to three-dimensional art. Through individual and group projects, visual presentations, and class discussion, students will explore various forms of sculpture. After learning foundational elements, principles, and historical and contemporary background of three-



dimensional art, students will express themselves and the world around them through many forms of sculpture including (but not limited to) paper, wire, clay, recycled materials, handmade books, group projects and even public installations. Projects will focus on both personal and public content through an inventive, creative, and hands-on approach.

Special Programs / General Electives - Course Descriptions

ACE Career Development

- Course: 109130A/B
- Length of course: One Year
- Grade: 10

This course is designed for students to identify, examine, and evaluate their post-secondary educational and career choices.

ACE Career Education

- Course: 109100
- Length of course: One Year
- Grade: 11

ACE Career Education is a one semester course where students explore a variety of career opportunities, establish a career plan, investigate a career area and complete a personal career assessment. Students will explore costs of living, budgeting, and other life skills to help manage money. Students will complete a resume, a letter of application, and demonstrate effective job interviewing skills.

ACE Coop Education

- Course: 109110A/B
- Length of course: One Year
- Grade: 12

ACE Cooperative Education is designed to provide the practice of skills learned in ACE Career Education. ACE Cooperative Education offers each student the opportunity to apply employability skills and interpersonal skills while working toward becoming successful and independent in the work world.

ACE Success Foundation

- Course: 109150A/B
- Length of course: One Year
- Grade: 9

This course is designed to help students explore and develop the personal and academic skills that are foundational to successful transition into the working world.

ACE Community Work Based Learn

- Course: 109140 A/B
- Length of course: One Year
- Grades: 9-12

This course is designed for students to enhance employment skills by participating in work experiences.

ACE In-School Work Based Learn

- Course: 109135A/B
- Length of course: One Year
- Grades: 10-12



This course is designed for students to develop basic employment skills by participating in a work- or school-based enterprise experience.

Audio/Video Production I

- Course: 109080A/B
- Length of course: One Year
- Grades: 9-12

Students will explore the Audio and Video production industry and its post-secondary educational and career opportunities. Students will gain job-specific training for entry level employment in audio, video, television, and motion picture careers. Students will lead the creation of productions using professional grade equipment and software. They will be involved in every aspect of several class and small group audio, video, and film style production projects with emphasis on TV studio broadcasting and news production projects. Students will also be encouraged to participate as studio crew for district productions outside of school hours. This course is part of CTE's Secondary Pathways, and aligns to Digital Media & Communication Level 2.

Child and Adolescent Development

- Course: 092000
- Length of course: One Semester
- Grades: 10-12

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

Digital Media

- Course: 109085A/B
- Length of course: One Year
- Grades: 9-12

Students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment. This course is part of CTE's Secondary Pathways and aligns to Digital Media & Communications Pathway Level 1.

Electronic Media Production 1

- Course: 109050
- Length of course: One Semester
- Grades: 9-12

This class is responsible for the production of the electronic broadcast media, TV and video production, and the school's video announcements. Students also create documentary and narrative video productions and chronicle various school activities. Students will produce vodcasts of DCC announcements at least one a week, and produce public service announcements in support of DCC activities.

Emerging Leaders

- Course: 191003A/B
- Length of course: One Year
- Grades: 9-12



This class is designed to develop future leaders. Areas of study include leadership styles, how leaders affect change, problem solving as a leader, leadership attitudes, and developing skills in others.

Found. Des, MultiMedia, Dig Com

- Course: 109060A/B
- Length of course: One Year
- Grades: 9-12

Students are introduced to the variety of programs and occupations in the arts, audio/video technology, and communications systems including, but not limited to, technical theater, film production, broadcasting, and digital media. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster, and the knowledge, skills, and educational requirements for those opportunities. This course is part of CTE's Secondary Pathways, and aligns to Design and Multimedia Arts Pathway Level 1.

Freshmen Seminar

- Course: 191020
- Length of course: One Semester
- Grades: 9-12

Freshman Seminar is a class designed for all 9th graders. Students will learn basic skills for student success in high school and beyond. Emphasis is on planning and organization, study skills, learning styles, how to study for tests, goal setting, increasing reading skills and comprehension. Students will also have time to do homework at school. Students taking this course for a second semester will be expected to work independently.

Individual Projects

- Course: 191166
- Length of course: One Semester
- Grades: 9-12

The Individual Projects course is designed to support students in the development and completion of an in-depth, individual project that involves experiences both within and outside the school environment. Projects will culminate in a demonstration of learning.

Living on Your Own

- Course: 090000
- Length of course: One Semester
- Grades: 9-12

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

Nutrition and Food Science

- Course: 081020
- Length of course: One Semester
- Grades: 9-12

Students will learn about nutrition and the role it plays in achieving overall health and wellness. By understanding the chemical breakdown of food and the body's processes for getting nutrients to the systems



that need them, students can then develop personal meal planning strategies using a variety of foods that provide nutritional value to engage in lifelong healthy eating habits.

Peer Partner

- Course: 191035
- Length of course: One Semester
- Grades: 10-12

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

Student Government

- Course: 191080A/B
- Length of course: One year
- Grades: 9-12

Members will learn by application procedures of government and parliamentary procedure. They will focus on leadership skills necessary for effective leadership in a high school setting. They will make decisions relative to student body matters. They will have a primary role in student activities and student assemblies. Credit earned will be applied as elective credit.

Teacher Assistant

- Course: 191065
- Length of course: One Semester
- Grades: 9-12

This program is designed to train students to provide assistance to students, faculty, and staff as well as give students experience in office and classroom duties. One-half credit is given, and evaluation is given on a "pass/fail" basis.

Teen Choices

- Course: 081500
- Length of course: One Semester
- Grades: 9-12

The purpose of this course is to acquire academic knowledge and understanding necessary for healthy decision making during the teen years. Students integrate knowledge, skills, and practices required by citizens to develop, manage, and strengthen: personal power and success; personal wellness; personal relationships; and lawful behavior. Emphasis is placed on teens as valued individuals who take responsibility for personal success and contribute to family and community well-being.

Yearbook

- Course: 054900A/B
- Length of course: One Year
- Grades: 9-12

This class is responsible for the production of the school's yearbook. Students will learn various types of software involved in publishing as well as basic principles of journalism, publishing, and layout design.

Academic Success

- Course: 191264A/B
- Length of course: One Year
- Grades: 9-12



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

Academic Support

- Course: 191265A/B
- Length of course: One Year
- Grades: 9-12

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

D20 College and Career

Whether you're headed to college or launching a career, we have a way to help you get there. Find out about earning college credit in high school with **Concurrent/Dual Enrollment** options, or check out **Career and Technical Education (CTE)** options to help you hit the ground running. Access Academy District 20's College and Career Services for more information and guidance at <https://www.asd20.org/college-and-career/>.

Air Force Junior ROTC

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

Schedule Change Policy

Developing student responsibility is a goal that helps guide educational decision-making. It is expected that students will give careful consideration to the scheduling process and be responsible for the decisions they make.

Beginning of each Semester

DAY 1

New students will be registered. Schedule changes for other students will be limited to correcting errors and teacher

recommended changes.

DAY 2 & 3

1. Students may request a change in their schedule by completing an electronic drop/add form posted in the Advisory Class or grade level Schoology Group.



2. Student are required to remain in their originally scheduled classes until approved changes are reflected in IC.
4. The following are the only acceptable reasons for the student to initiate a schedule change:
 - Drop a class because the student does not meet the prerequisite or does not have a teacher recommendation.
 - Add a class because the student is a senior needing specific classes to meet graduation requirements.
 - Drop a class because credit has already been earned.
5. The change will occur based on educational need and space availability.
6. Classes will not be added or dropped beyond the District designated add or drop date for credit.



Course Listing

English

- American Lit and Comp
- Comp & Lit 4
- Contemporary Lit
- Creative Writing
- Freshmen Language & Literature
- Graphic Novels
- Monster/Mayhem in Fiction/Film
- Mythology
- Native America Literature
- Poetic Genres
- Speech
- World Literature

World Language

- American Sign Language 1
- American Sign Language 2
- American Sign Language 3
- American Sign Language 4

Math

- ACE Financial Literacy
- ACT/SAT Math & Engl College Prep
- Algebra 1
- Algebra 1 AB
- Algebra 2 AB
- Geometry
- Math Lab
- Pre-Calculus

Science

- Anatomy and Physiology 1
- Biology
- Biotechnology
- Biotechnology 2
- Chemistry
- Environmental Science
- Forensic Science
- Forensic Science 2
- Health and Wellness
- Introduction to Medicine
- Life, Earth, and Space Science
- Principles of Horticulture
- Science in the Imagination

Social Studies

- American Pop Culture



- Civics
- Contemporary Problems
- Multicultural America
- Street Law
- US History
- World History

Physical Education

- Lifelong Rec Sports
- PE Fusion
- Peer PE
- Total Fitness
- Weights and Fitness 1

Health

- Health and Wellness

Fine Arts

- Art 1
- Art 2
- Art and New Media
- Careers in Art
- Computer Animation
- Intro to Art and Design
- Jewelry Making
- Sculpture

Unrestricted Electives

- ACE Career Development
- ACE Career Education
- ACE Coop Education
- Academic Success Foundation
- ACE Community Work Based Learn
- ACE In School Work Based Learn
- Audio/Video Production I
- Child and Adolescent Development
- Digital Media Electronic
- Media Production 1
- Emerging Leaders
- Found. Des, MultiMedia, Dig Com
- Freshmen Seminar
- Individual Projects
- Living on Your Own
- Nutrition and Food Science
- Peer Partner Student Government
- Teacher Assistant
- Teen Choices
- Yearbook
- Academic Success
- Academic Support



We reserve the right to make changes or adjustments to this list of course offerings as necessary.

