

Special Programs at Highland High School

Course Description book - <https://www.highlandhs.org/academics/course-offerings>

Students attending Highland High School can select from several different programs, academies, and pathways.

AVID - Advancement VIA Individual Determination

AVID, which stands for Advancement Via Individual Determination, is a college readiness program designed to help students develop the skills they need to be successful in college. The program places special emphasis on growing writing, critical thinking, teamwork, organization and reading skills.

Online Application:

<https://docs.google.com/forms/d/e/1FAIpQLSfQxgLe5Mnr5ytLfJwCVXZhiAAq7tLTXNKSGbXliiCO1jxi6Q/viewform>

Contact Cindy Gadowski at cgadowski@avhsd.org for Information. <https://www.highlandhs.org/programs/avid>

AIR FORCE JROTC - (AEROSPACE SCIENCE)

Air Force JROTC seeks to develop citizens of character dedicated to serving their nation and communities. Each year-long JROTC course is a balanced mix of Aerospace Science, Leadership Education, and Wellness Education. The complete JROTC program includes science components, physical education components, basic military drill skills (marching and facing movements), physical conditioning, and team sports. There are many optional extracurricular activities cadets may choose to participate in: color guard, drill team, military ball committee, field trip committees, PT team, model rocketry, and more. AFJROTC cadets at all levels are eligible to participate in a Zero-Period academic class to avoid scheduling conflicts during the regular school day. Program information is available at: [AFJROTC Program Information](#)

Program information and application are available at: [Recruiting Brochure & Application - 2020-21](#)

You can watch a few AFJROTC videos: [AFJROTC HQ Promo Video](#) or [AFJROTC Recruiting - National](#)

AIR FORCE JROTC Contact Program Coordinator Major Conrad Hernandez at chernandez@avhsd.org OR (after 01 July 2020) LtCol Brian Owen at bcowen@avhsd.org for information.

Computer Science

Computer Science at Highland seeks to teach the principles of how computing is used throughout the modern world as well as the fundamentals of Computer Science. The courses involved are as follows:

AP Computer Science Principles

Students will be introduced to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, they will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. This course is organized around seven big ideas: creativity, abstraction, data/information, algorithms, programming, the internet, and the global impact of computation. The course also utilizes block code instruction to complete basic tasks. Block coding is used throughout various workspaces/platforms including Alice, Code.org, Codehs.com and Scratch.mit.edu. Knowledge of Algebra 1 is strongly encouraged.

AP Computer Science A

This is a college level course meant to teach students the fundamentals of Java Programming. Students learn to write, look at and use programming in numerous ways to solve problems, organize data, process data and design

software. In the class they will do a bit of game design, learn about how classes work & share information with one another, how the computer reads code, work together to see how apps are made, take a look at cyber security issues and more. While AP CSP is not a prerequisite for this course, it does help with a basic understanding of algorithmic thinking before learning coding itself.

For more information, feel free to contact Steven Harrington at sharrington@avhsd.org

Public Service Academy

PUBLIC SERVICE ACADEMY Open to Grades: 9-12 Contact Christy Chacon at cchacon@avhsd.org

<https://www.highlandhs.org/programs/public-service>

In this four-year Academy students will learn a wide range of duties and functions that will allow them to understand and certify in an array of careers focused around Emergency Medicine and Public Service.

These courses provide instruction and training for students interested in health care, fire science, and protective service careers. Students who achieve competences in these academy courses will develop knowledge and skills in occupational and personal safety, law and ethics, fire behavior, fire suppression, hazmat, anatomy and physiology, patient assessment, triage, disaster management, and response to terrorist incident education.

Courses offered for 9th grade students

AVID One-year Course; 10 credits Open to Grades: 9-12 Prerequisites: Teacher recommendation/interview and Online Application - <https://www.highlandhs.org/programs/avid> The course provides the support and encouragement necessary for students to be successful, employing WICOR (writing, inquiry, collaboration, organization, reading) strategies, tutorials, study skills, time management skills, test preparation strategies for the PSAT, SAT and ACT, college visitations, and motivational speakers.

AFJROTC (AEROSPACE SCIENCE) YEAR 1 One-year Course; 10 credits: Students will use the textbook "Aerospace Science: The Science of Flight: A Gateway to New Horizons" which covers - "How Airplanes Fly" discussing the elements of flight to include: the principles of flight; the physics of flight; the various parts of an airplane and the functions each performs. "Working Through Flight Conditions" explores how weather conditions affect flight. "Flight and the Human Body" covers how flight affects the human body: the physical laws of gases, G-forces, spatial disorientation, motion sickness, and other stresses; protective equipment and aircrew training. "Flying From Here to There" discusses flight navigation and the purpose of navigation aids. In the Leadership Education portion of class "Communication, Awareness, and Leadership" we will stress: stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Cadet corps activities include holding positions of responsibility assisting in the planning and execution of corps projects. Cadets will learn and expand their knowledge of Drill and Ceremonies, and learn about the importance of Health and Wellness while also participating in physical training. Program information and application are available at: [Recruiting Brochure & Application - 2020-21](#)

INTRODUCTION TO PUBLIC SAFETY One-year course; 10 credits Open to all grades Meets "G" credit for UC/CSU A-G requirements Prerequisites: enrolled in the Public Service Academy; may be required to submit to an application and interview process. This course has been written to cultivate students interested in pursuing a future in the fields of legal practices, law enforcement, fire suppression and emergency medicine. This course is intended to provide the cadet with a foundation in the understanding of the roles of many of the key players involved in a criminal, fire or medical incident. Contact Christy Chacon at cchacon@avhsd.org application: <https://www.highlandhs.org/programs/public-service-academy-applications>

American Sign Language 1 American Sign Language I is a rigorous curriculum designed to provide solid foundation in American Sign Language skills and provide the cultural knowledge necessary to use the language appropriately in the deaf community.

Spanish 1 A rigorous college preparatory course that is based on both intentional learning and natural acquisition. Students will be expected to practice speaking, listening, reading, and writing both inside and outside of class. Vocabulary, communicative skills, and grammar are emphasized.

Spanish 1 Honors The course follows the same foundation as regular Spanish One, but requires greater mastery and retention throughout the four-year program. Additionally, students will also develop and demonstrate higher level thinking skills in Spanish and within the context of Spanish speaking cultures.

Spanish 2 This course is a continuation of the study of fundamentals of Spanish language and Hispanic cultures. As a University of California College Preparatory approved course, by the end of the year students are expected to be able to engage a sympathetic native speaker in a five-minute conversation on general topics.

Spanish 2 Honors This is the second year of a four-year course sequence that culminates with either the Advanced Placement Spanish Language Exam or the International Baccalaureate Language B (Standard Level) exam.

Mixed Chorus -- Everyone is invited! This course of study includes vocal development, ear training, sight singing, and fundamentals of music. Literature determined by needs as assessed by the instructor. Members are required to participate in all performances, including two evening performances and others as scheduled by the instructor.

Chamber Singers: Audition Got a great singing voice? This advanced level course of study includes literature covering various 26 styles and periods, including Renaissance, Madrigal, and other popular styles. Emphasis is placed on team work. Members are required to participate in all performances, including scheduled outside performances.

Symphonic Band (Beginning Instruments): Beginning to basic proficiency on wind or percussion instruments. An introductory course designed to develop beginning to basic skills on concert instruments (woodwinds, brass, and percussion). Public performances (concerts) are required of all members. Grade 1-2.5 repertoire will be studied depending on ensemble skill.

String Orchestra: Beginning to basic proficiency on a string instrument. An introductory course designed to develop beginning to basic skills on orchestral string instruments (violin, viola, cello, and string bass). Public performances (concerts) are required of all members. Grade 1-2.5 repertoire will be studied depending on ensemble skill.

Chamber Orchestra (Year 2+ Strings): *Highly recommended 2+ year of instruction on musical instruments. Audition required.* Designed for the preparation and performances of concert music on orchestral string instruments. It is suggested that students have more than intermediate proficiency on their instrument. Public performances (concerts/festivals) are required of all members. Grade 2-4 repertoire will be studied and prepared depending on ensemble skill.

Concert Band (Year 2+ Winds/Percussion): *Highly recommended 2+ year of instruction on musical instruments. Audition required.* Designed for the preparation and performance of concert music on traditional concert band instruments. It is suggested that students have more than intermediate proficiency on their instrument. Public performances (concerts/festivals) are required of all members. Grade 2-4 repertoire will be studied and prepared depending on ensemble skill.

Jazz Ensemble (Year 2+ Big Band Instruments): *Highly recommended 2+ year of instruction on musical instruments. Audition required.* This is a course in understanding and performing music encountered by the modern commercial musician including jazz, pop, and rock. Public performances (concerts, festivals, fundraisers) are required of all members. Instrumentation open to a Big Band setting: saxophones, trumpets, trombones, guitar, string or electric bass, piano, vibraphone, drum set, and auxiliary percussion (bongos, congas, tambourine, etc.) Grade 2-4 repertoire will be studied and prepared depending on ensemble skill.

Art 1 is an introductory course, which introduces a wide variety of materials, and exciting assignments based on the principle elements of design. Students will express their creativity using materials such as watercolor, drawing materials, ink, and collage. Fun and learning are the highlights! There are fees for materials used. \$

0 or 7th Period Classes

Aerospace 1 Science (0)

Mariachi (7th)

Introduction to Courtroom Debate: Mock Trial (7th)

Marching Band (Fall Semester, 7th Period): *Highly recommended 1+ year of instruction on musical instruments. Audition required.* This is designed for students who play a band instrument (woodwind, brass, percussion) or perform in color guard (flags, rifles, sabres). Students will improve instrumental skills as well as acquire skills in precision teamwork, body carriage, musicianship, and showmanship. This course is only in the fall semester, with rehearsals occurring after school, occasionally in the evening. Students are required to attend summer band camp and all public performances (football games, parades, competitions, concerts), which may fall on weekends.

Wind Ensemble (Spring Semester, 7th Period): *Highly recommended 1+ year of instruction on musical instruments. Audition required.* Designed for the preparation and performance of concert music. Public performances (concerts/festivals) are required of all students. Grade 3-4 repertoire will be studied, prepared, and performed. This course is only in the spring semester, with rehearsals occurring after school. Color guard students will participate in a winter guard activity or attend regular color guard rehearsals.