



San Geronimo High School Academy of Design and Engineering

VISION STATEMENT: To engage students in their pursuit of an academically challenging career plan based on individual interests, talents and goals crucial for success to be future-ready.

MISSION STATEMENT: The Academy of Design and Engineering (AODE) prepares students for career opportunities in the fields of Aerospace, Civil, Architectural, Computer, and Environmental Engineering by applying science, technology, engineering and math (STEM) skills to solve real-world problems through project based experiences and collaboration with industry professionals.

DESCRIPTION: AODE, using Project Lead the Way Engineering program, offers students opportunities to develop Science Technology Engineering and Mathematics (STEM) knowledge, skills, and problem solving methodologies, to solve complex, open-ended problems within a real-world context. Through work-based learning experiences, AODE students will be able to build highly transferable skills in collaboration, communication, and critical thinking, relevant to many professional careers.

CAREER OPTIONS:

- Aerospace Engineer
- Civil Engineer
- Computer Engineer
- Drafting and Design Engineer
- Environmental Engineer
- Electrical Engineer
- Mechanical Engineer
- Petroleum Engineer



Foundation Courses:

- Introduction to Engineering Design
- Principles of Engineering

Specialization Courses:

- Aerospace Engineering
- Civil Engineering and Architecture
- Computer Integrated Manufacturing
- Environmental Sustainability



**BE FUTURE
READY**