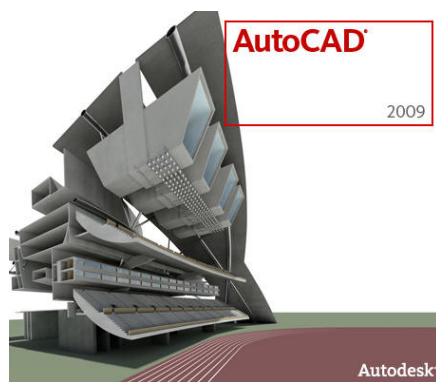


Related Occupations

Surveyor
Architect
Industrial Designer
Civil Engineer
Structural Engineer
CAD Technician
Construction Apprentice
Drafting Apprentice
Engineering Aide
Junior Drafter
Drafter/Designer
Engineering Technician
Estimator
Plan Checker
Instructor



CAD/Drafting Pathway

Pathway Advisor:
Elizabeth Wilson

Email:

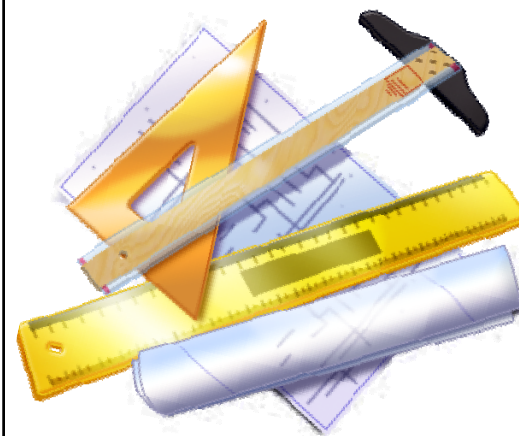


CAD/Drafting

27801 Dickason Drive
Valencia, California 91355
Phone: 661-294-1188

California Industry Sector:
Engineering and Design

Valencia High School
CAD/Drafting
Career Path



California Pathway:
Architectural and Structural

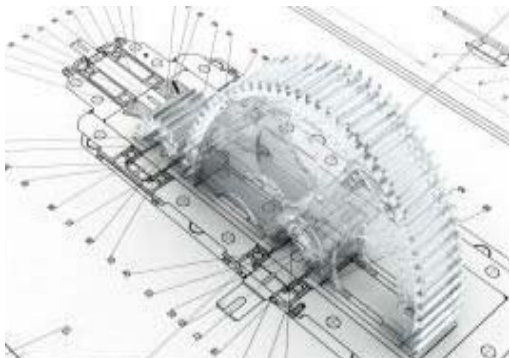
CAD/Drafting Pathway

CAD IA

Completion of Algebra A or higher. This course provides a basic introduction into drafting and the AutoCAD system. Students are provided with information concerning basic drawings from the drafting industry. Introduction to hardware, software, configuration, and file information management specific to Windows-based AutoCAD will also be covered. Through the semester, students will learn hands-on, the majority of drawing and editing commands and procedures necessary to complete basic 2D working drawings.

DRAFTING IB

This course provides a background into mechanical, two-dimensional (orthographic projection) multi-view drawings of parts used in manufacturing, and more in-depth commands for the AutoCAD system. Through the semester, students will learn procedures necessary to complete basic 2D and isometric mechanical drawings, along with blocks, attributes and AutoCAD system variables for improved user efficiency.



Required Classes

- CAD 1A Beginning Drafting
- Drafting 1B Mechanical
- Drafting IIA Architecture
- CAD 1B Advanced Drafting
- Career Exploration Project (Must be in Career Industry Sector)

Optional Classes

- Drafting IIIA/B
- ROP CAD Drafting
- ROP Interior Design
- Auto
- Graphic Arts
- Physics
- Art 1 A/B



Drafting IIA

This course provides background into architectural drafting and new, more in-depth commands for the AutoCAD system. Through the semester students will learn procedures necessary to complete basic 2D and isometric architectural drawings (floor, foundation, and electrical plans, door and window schedules, elevations, and pictorial representations), along with blocks, attributes and AutoCAD system variables for improved user efficiency.

CAD IB

Grade "B" or better in CAD A, Drafting IB and Drafting IIA Students in this specialized course will pursue drawing techniques that are currently used in industry and will expand on special individual interests developed in Drafting IB and Drafting IIA. Students will develop their drawings in a three dimensional platform.

