

General Course Information

Course Name: Drafting I	
Department: Technology & Engineering	Grade Level(s): 9-12
Duration/Credits: 1 semester/ .5 Practical Art	Prerequisites: none
BOE Approval Date:	Course Code: H4100
Course Description:	
Drafting I introduces students to the principles of design that are the foundation of drafting skills. Students in Drafting I will learn storyboarding, mechanical drawing techniques, and Computer Aided Design software. Students will complete a variety of drafting projects, including modeling and prototyping.	
Course Rationale:	
Drafting and computer drawing skills are in high demand in the post-secondary career market. This course will prepare students to pursue a future career in Computer Aided Design, architecture, manufacturing, construction, and other pathways.	
Course Objectives:	
<p>The student will research and apply the principles of proportion and scale when completing drafting and drawing projects. (A+ Research)</p> <p>The student will use drafting tools to accurately measure in imperial and metric formats and properly dimension drawings, including all appropriate field notes and descriptions. (A+ Writing)</p> <p>The student will read about and apply mechanical drawing techniques as well as current CAD (Computer Aided Design) software to create multi-view, isometric, and orthographic drawings, as well as other types of drawing. (A+ Reading)</p> <p>The student will construct scale models of working drawings, present the projects collaboratively, and give and receive constructive feedback. (A+ Speaking and Listening)</p> <p>The student will use industry-standard hardware and software to complete drafting projects.</p>	

The student will maintain a safe and clean working environment.
Standards Alignment:
List standard set(s) to which course has been aligned