## General Course Information

| Course Name: Drafting II | |
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| Department: Technology & Engineering | Grade Level(s): 9-12 |
| Duration/Credits: 1 semester/ .5 practical art credit | Prerequisites: Successful completion of Drafting I or teacher approval |
| BOE Approval Date: | Course Code: H4105 |

**Course Description:**

Drafting II further develops students' understanding of the principles of design as well as more advanced drafting skills. Students in Drafting II will expand their knowledge of storyboarding, mechanical drawing techniques, and Computer Aided Design software. Students will identify an area of interest within drafting and develop drafting skills and projects specific to that area.

**Course Rationale:**

Drafting and computer drawing skills are in high demand in the post-secondary career market. This course will prepare students who have identified an area of interest to further develop skills for college and career readiness in Computer Aided Design, architecture, manufacturing, construction, and other pathways.

**Course Objectives:**

The student will consistently and accurately apply the principles of proportion and scale through all stages of drafting and drawing projects.

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).

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)

The student will construct scale models of working drawings, present the projects collaboratively, and give and receive constructive feedback. (A+ Speaking and Listening)

The student will research extension skills in advanced CAD techniques and apply

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| them to independent projects. (A+ Research)<br><br>The student will develop career skills, such as soft skills, resume creation, and job search and interview techniques.<br><br>The student will use industry-standard hardware and software to complete drafting projects.<br><br>The student will maintain a safe and clean working environment. |
| **Standards Alignment:** |
| List standard set(s) to which course has been aligned |