

5 CAD

Content Area: **21st Century Life & Careers**
Course(s): **Generic Course, Level 1 Engineering Drawing**
Time Period: **Marking Period 2**
Length: **2-3 weeks**
Status: **Published**

Unit Introduction

In this unit, students will learn to communicate ideas/produce plans using computer aided drawing.

Standards

TH.9-12.1.4.12prof.Cr	Creating
TH.9-12.1.4.12prof.Cr1b	Explore the impact of technology on design choices in devised or scripted theatre work.
9.3.12.AC-DES.2	Use effective communication skills and strategies (listening, speaking, reading, writing and graphic communications) to work with clients and colleagues.
9.3.12.AC-DES.6	Apply the techniques and skills of modern drafting, design, engineering and construction to projects.
TEC.9-12.	Technology products and systems impact every aspect of the world in which we live.
CAEP.9.2.12.C	Career Preparation
STEM.9-12.9.4.12.O.(1).1	Apply the concepts, processes, guiding principles, and standards of school mathematics to solve science, technology, engineering, and mathematics problems.
STEM.9-12.9.4.12.O.(1).3	Demonstrate the ability to select, apply, and convert systems of measurement to solve problems.
STEM.9-12.9.4.12.O.2	Demonstrate mathematics knowledge and skills required to pursue the full range of postsecondary education and career opportunities.
STEM.9-12.9.4.12.O.17	Employ critical thinking skills (e.g., analyze, synthesize, and evaluate) independently and in teams to solve problems and make decisions.
STEM.9-12.9.4.12.O.30	Employ computer operations applications to manage tasks.
STEM.9-12.9.4.12.O.58	Maintain a career portfolio to document knowledge, skills, and experience in a career field.

Essential Questions

1. What is CAD?
2. In what ways can CAD be better than board drawing?
3. How can using CAD improve your work?

Content/Skills

Students will produce various basic drawings using computer aided drawing system.