



DAVIS SCHOOL DISTRICT

www.davis.k12.ut.us

CAREER AND TECHNICAL EDUCATION

STRANDS

Elements of Design

Student Portfolio

Annotated Sketches

Geometric Principles

Format Analysis

Dimensioning

Design Process

Angle Variations

Geometric Constraints

Computer-Aided Design



Learning that works
for Utah

INTRO TO ENGINEERING DESIGN - PLTW

ABOUT

In this foundational course, students are taught to understand and apply the design process, create sketches, use computer software to design models, understand mass property calculations, parametric modeling, understand cost analysis, quality control, staffing needs, packing and product marketing, explore career opportunities in design engineering and understand what skills and education these jobs may require.



CAREER PATHWAYS

Mechanical Engineering
Mechanical Design



REQUIREMENTS

Year-long course for
Sophomores, Juniors or
Seniors



LOCATIONS

All high school students
access to take Intro to
Engineering



Talk to your high school
CTE Coordinator



CTE Tech & Engineering Specialist
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