

CFISD Engineering Design and Presentation I Scope and Sequence

Course Description

Students will use multiple software applications and tools necessary to produce and present working drawings, solid models, renderings, and prototypes relating to the engineering design and drafting fields. Students will use a variety of computer hardware and software applications to complete assignments and projects. (1 Credit)

- Grades 9 – 12
- Required Prerequisite: Principles of Applied Engineering
- Lab fee will be required

TEKS

Program of Study: Engineering

Cluster: (Science, Technology, Engineering & Mathematics)

Endorsement: STEM

- Meets advanced course requirement (Y/N): N
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): N

Industry Certification/Credentials: n/a

Instructional Units	Pacing
1st Semester Career Paths in Engineering Safety Technical Sketching Presentation Skills	1 st Grading Pd
Drafting & 3D Modeling Geometric Construction Multi-View Drawings	2 nd Grading Pd
2nd Semester Drafting & 3D Modeling Pictorials Auxiliary Views/Advanced Dimensioning	3 rd Grading pd
Drafting & 3D Modeling Design Development Application	4 th Grading Pd

Primary Instructional Materials: Exploring Drafting G-W