

CFISD Engineering Design & Presentation I

Scope and Sequence

Endorsement: Business & Industry (or STEM with math & science requirements)

Meets advanced course requirement? **NO** ▾

Cluster: Engineering

Program of Study: Engineering Foundations

Meets foundation requirement for math, science, fine arts, English, LOTE? **NO** ▾

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.

[TEKS link](#)

- 1 credit
- Grades 9-12
- Lab supplies or fee may be required
- Required prerequisites: Principles of Applied Engineering

Industry Certification/Credential: n/a

Instructional Units	Grading Period
Career Paths in Engineering Safety Technical Sketching Presentation Skills	N1 (fall)
Drafting & 3D Modeling Geometric Construction Multi-View Drawings	N2 (fall)
Drafting & 3D Modeling Pictorials Auxiliary Views/Advanced Dimensioning	N3 (spring)
Drafting & 3D Modeling Design Development Application	N4 (spring)

Primary Instructional Materials: iCEV Architecture, Construction, Transportation & Manufacturing