

## 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
- Lab fee will be required

**TEKS:**

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
1 <sup>st</sup> Semester Career paths in Engineering Documentation & Sketching The Design Process	1 <sup>st</sup> Grading Pd  2 <sup>nd</sup> Grading Pd
2 <sup>nd</sup> Semester Computer Aided Design Application Technical Drawing Design Development & Application Presentation Skills	3 <sup>rd</sup> Grading pd  4 <sup>th</sup> Grading Pd

Primary Instructional Materials: Exploring Drafting G-W