

CFISD Construction Technology I

Scope and Sequence

Course Description: In Construction Technology I, students will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. (1 Credit)

- Grades 10 – 12
- Required prerequisite: Principles of Architecture or Principles of Manufacturing
- Lab supplies or fee is required.

TEKS

Programs of Study: Construction/Carpentry and Construction/Plumbing

Cluster: *Architecture & Construction*

Endorsement: *Business & Industry*

- Meets advanced course requirement (Y/N): *No*
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): *No*

Industry Certification/Credentials: NCCER Carpentry Level 1 certification

Instructional Units	Pacing
<p>1st Semester</p> <p>Professionalism and Employability</p> <p>Hand Tools/Power Tools</p> <p>Dimensional Lumber Project</p> <p>Careers in Construction</p> <p>Foundations/Forms and concrete</p> <p>Wood Floor</p> <p>Framing Construction Skills Project</p>	<p>1st Grading Pd</p> <p>2nd Grading Pd</p>
<p>2nd Semester</p> <p>Framing Construction Skills Project (continued)</p> <p>Wall Framing Scale model Projects</p> <p>Roof framing</p> <p>Full scale framing project</p> <p>Windows and doors</p> <p>Stair Construction</p> <p>Building management</p>	<p>3rd Grading Pd</p> <p>4th Grading Pd</p>

Primary Instructional Materials: *Modern Carpentry*