

CFISD Welding II

Scope and Sequence

Course Description: Welding II builds on the knowledge and skills developed in Welding I. Students will develop advanced welding concepts and skills as related to personal and career development. Students will integrate academic and technical knowledge and skills. Students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems.

- Grades 11 – 12
- Required prerequisite: *Welding I*
- An application may be required if demand exceeds number of available slots.
- Lab supplies or fee is required
- These classes are only offered on approved campuses; district travel may be required.

TEKS

Cluster: *Manufacturing*

Endorsement: *Business & Industry*

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

Industry Certification/Credentials: *American Welding Society*

Instructional Units	Pacing
<p>1st Semester</p> <p>Professionalism/Employability Shop, Machine, and Equipment safety Safe set-up of machines Blueprint Reading SMAW Recap and Advanced Techniques (<i>End of 1st and Beg of 2nd Grade Per</i>) Pipe Welding FCAW Welding 1F & 1G</p>	<p>1st Grading Per</p> <p>2nd Grading Per</p>
<p>2nd Semester</p> <p>FCAW Welding 2F & 2G, 3F & 3G, 4F & 4G GTAW Introduction GTAW 1F & 1G, 2F & 2G Special Processes Resumes Industry Practicum SMAW-GTAW-GMAW-FCAW Certification Testing</p>	<p>3rd Grading Per</p> <p>4th Grading Per</p>

Primary Instructional Materials: *NCCER Welding- Pearson*