

# 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><b>1st Semester</b></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 &amp; 1G</p>	<p>1st Grading Per</p>       <p>2nd Grading Per</p>
<p><b>2nd Semester</b></p> <p>FCAW Welding 2F &amp; 2G, 3F &amp; 3G, 4F &amp; 4G                      GTAW Introduction                      GTAW 1F &amp; 1G, 2F &amp; 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*