CFISD Diversified Manufacturing II

Scope and Sequence

Course Description: Diversified Manufacturing II builds on knowledge and skills developed in Principles of Manufacturing and Diversified Manufacturing I. This course allows students to gain knowledge and skills in the application, design, production, and assessment of products, services, and systems and how those knowledge and skills are applied to manufacturing. Students will develop advanced skills related to the industry of manufacturing technology systems through the use of machines and tools used in modern industry.

- Grades 10 – 12
- Required prerequisite: *Diversified Manufacturing I*
- Lab supplies or fee is required

TEKS

Program of Study: *Manufacturing*

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: ***AWS Welding Certification***

Instructional Units	Pacing
1st Semester Safety & Standards* Applied Mathematics* Employability Skills* ● Resume & Soft Skills ● Interview Skills Safety & Standards* ● OSHA Certification Technological Systems* ● Design, Plan, and Build Manufacturing Project	1st Grading Per 2nd Grading Per
2nd Semester Applied Mathematics* ● Design, Plan, and Build Manufacturing Project Manufacturing & Marketing Mass & Custom Production* Wood, Plastics, Metals ● Design, Plan, and Build Manufacturing Project Maintenance & Preventative Maintenance* ● Design, Plan, and Build a Manufacturing Capstone Project	3rd Grading Per 4th Grading Per

*Items with * are taught throughout the year.*

Primary Instructional Materials: *Teacher supplied resources*