

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. 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: *Principles of Manufacturing AND Diversified Manufacturing I*
- Lab supplies or fee is 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: *OSHA 10 Certification*

Instructional Units	Pacing
<p>1st Semester</p> <p>Employability Skills*</p> <ul style="list-style-type: none"> • Resume & Soft Skills • Interview Skills <p>Safety & Standards*</p> <ul style="list-style-type: none"> • OSHA Certification <p>Technological Systems*</p> <ul style="list-style-type: none"> • Design, Plan, and Build Manufacturing Project 	<p>1st Grading Per</p> <p>2nd Grading Per</p>
<p>2nd Semester</p> <p>Applied Mathematics*</p> <ul style="list-style-type: none"> • Design, Plan, and Build Manufacturing Project <p>Manufacturing & Marketing Mass & Custom Production*</p> <p>Wood, Plastics, Metals</p> <ul style="list-style-type: none"> • Design, Plan, and Build Manufacturing Project <p>Maintenance & Preventative Maintenance*</p> <ul style="list-style-type: none"> • Design, Plan, and Build a Manufacturing Capstone Project 	<p>3rd Grading Per</p> <p>4th Grading Per</p>

*Items with * are taught throughout the year.*

Primary Instructional Materials: *Teacher supplied resources, CFISD Safety Curriculum, OSHA 10 Curriculum*