CFISD Diversified Manufacturing I

Scope and Sequence

Course Description: 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. Diversified Manufacturing I allows students the opportunity to understand the process of mass production by using a wide variety of materials and manufacturing techniques. Knowledge about career opportunities, requirements, and expectations and the development of skills prepare students for workplace success.

- Grades 9 – 12
- Required prerequisite: *Principles of Manufacturing*
- Lab/supplies fee is required.

TEKS

Program of Study: *Manufacturing*

Cluster: *Manufacturing*

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: ***OSHA10hr***

Instructional Units	Pacing
1st Semester Employability Skills* Safety & Standards* Applied Mathematics* Development of Technological Systems* ● Design, Plan, Build First Project Career Exploration	1st Grading Per 2nd Grading Per
2nd Semester Applied Mathematics* ● Design, Plan, and Build Manufacturing Project Manufacturing & Marketing Mass & Custom Production* ● Design, Plan, and Build Multi-material Manufacturing Project Maintenance & Preventative Maintenance* ● Design, Plan, and Build Manufacturing Project	3rd Grading Per 4th Grading Per

*Items with * are taught throughout the year.*

Primary Instructional Materials: *Teacher supplied resources, Starrett Handbook for Machinists*