

CFISD Diversified Manufacturing I

Scope and Sequence

Endorsement: Business & Industry**Cluster:** Manufacturing**Meets advanced course requirement?** NO ▾**Program of Study:** Manufacturing Technology**Meets foundation requirement for math, science, fine arts, English, LOTE?** NO ▾**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.

TEKS link

- 1 credit
- Grades 9-12
- Lab supplies or fee may be required
- Required prerequisites: Principles of Manufacturing

Industry Certification/Credential: OSHA-10**TEA recognized IBC (to count toward program of study completion)?** NO ▾

Instructional Units	Grading Period
Employability Skills* Safety & Standards* Career Exploration	N1 (fall)
Applied Mathematics* Development of Technological Systems* Design, Plan, Build First Project	N2 (fall)
Applied Mathematics* Design, Plan, and Build Manufacturing Project Manufacturing & Marketing Mass & Custom Production* Design, Plan, and Build Multi-material	N3 (spring)
Manufacturing Project Maintenance & Preventative Maintenance* Design, Plan, and Build Manufacturing Project	N4 (spring)

*Items with * are taught throughout the year.*

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