

### Grade 8 - Technology Education - Scope and Sequence

Topic	Topic	Topic	Topic	Topic	Topic
Tool/Machine/Lab Safety	Elements and Principles of Design	Advanced Visual Modeling and Prototyping			
Activity	Activity	Activity	Activity	Activity	Activity
Introduction to course; Tool/Machine/Lab Safety Instruction /Safety Tests	What is Good Design; Relationship between Form and Function; Human factors in Design; Basic Sketching/Rendering Techniques	CAD/Documentation Skill Development; Ideation Techniques; Developing/Presenting Models/Prototypes			

Topic	Topic	Topic
Manufacturing and Production Systems		
Activity	Activity	Activity
Overview of Manufacturing; Design/Construction/Set-up of Manufacturing Enterprise; Participate in a Production Run of a Product		