



Unit 4: Technical Mathematics

5 - 7
Days

Students will explore what fractions and decimals are and how they work. Students will understand percentages in the context of the shop.



Unit 5: Drafting: communicating in a shop setting.

5 - 8
Days

Students will learn the basic skills needed to communicate in the technical world. Students will understand how to read a parts list, blueprint and memo. Students will also explore these forms of communication through lab activities.



Unit 6: Graphic Communications

5 - 8
Days

Students will explore the basic workings of graphic communications. Students will communicate through a simple orthographic drawing using AutoCad. Through their drawing, students will build their idea in a series of labs.



Unit 7: Tools and Safety

5 - 8
Days
Days

Students will have an opportunity to safely use hand and power tools in a shop setting. Safe shop practices will be emphasized. Students will build simple projects using common shop tools.



Unit 8: Structures

5 - 8
Days

Students will design and test different structures made from common household materials for strength and durability. Students will build paper towers and pasta towers exploring what structural shapes are stronger.