

Eighth Grade Technology Education CORE Syllabus

Energy & Transportation

- Students will explore the affects of heating and cooling of air
- Students will develop team working skills and problem solving skills while building hot air balloons
- Students will determine the affects of climate conditions while launching balloons

Drafting

- Students will explore the careers of construction related design
- Students will learn the principles of drafting
- Students will use their floor plans to build a scale model

Construction

- Students will explore the careers of construction related design
- Students will learn the principles of construction
- Students will explore construction while building a scale model of a garage

Hand and Power Tool Safety and Usage

- Students will learn the proper uses of common hand and power tools
- Students will learn proper safety practice around equipment

Power & Transportaion

- Students will understand the importance of aerodynamics
- Students will safely construct their own CO2 car using the scroll saws, and dremel tool

Manufacturing

- Career exploration
- Students will learn the process of manufacturing
- Students will come up with a plan and process to manufacture a specified item

Common Assessments:

District Policies: