

Course Title: Technology Education 7 (grade 7)

Course Description: Students will learn about communication and information, manufacturing and transportation technologies. In communication and information, students will be exposed to computer-aided drafting (CAD), silk screening and the Internet. Students will design and construct a product in manufacturing. In transportation, students will study and test various aspects of transportation systems.

Course Outline:

- Individual and group problem solving techniques.
- Apply technology to specific tasks.
- Gather and evaluate information from electronic sources.
- Design and operate systems of transportation.
- Manufacture a product by designing a detailed plan.
- Visually communicate ideas to convey a message.
- Manipulate tools and machines in a sequence to achieve results.

Course Schedule/Assignments: Class is one trimester in length and 55 minutes per day. Assignments include study in:

- Problem solving skills (hands on application of knowledge to achieve a solution).
- Basic principles of design.
- Knowledge of systems (methods using logic and creativity to meet specific goals).
- Communications (Internet, design technology, graphic design)
- Transportation systems
- Manufacturing

Course Grading Criteria and Grading Scale:

A = 90 – 100%

B = 80 – 89%

C = 70 – 79%

D = 60-69%

Course Expectations:

Work within the boundaries of the class rules to complete homework and lab projects of the highest quality in a timely manner.