

Grades 6 & 7

Technology Education

Transportation Technology

Course Objectives:

- a. Students will gain an increased awareness of what technology is and how the transportation aspect of technology effects their everyday lives.
- b. Through hands on project work, students will gain knowledge of the two major areas of Transportation Technology.
- c. Students will gain an understanding of technical terminology as it relates to the areas of transportation covered.
- d. Students will develop the necessary skills to work safely in the technology lab setting.
- e. Students will learn to use the appropriate tools and measuring devices to complete project work successfully.

Content Outcomes:

- a. Air transportation historical perspective.
- b. Terminology and theory.
- c. Aviation milestones.
- d. Project development.
- e. Land transportation historical timeline.
- f. Terminology and theory.
- g. Design theory.
- h. Project development.

Course projects:

- a. Airplane project.
- b. General safety unit and test.
- c. Measuring unit and test.
- d. Project testing and analysis.
- e. Drafting and design unit.
- f. Land transportation project.
- g. Testing and analysis of project.

Grading policy:

40% tests
30% project work
10% participation
20% safety and tools