

McGraw Central School  
Syllabus for Seventh Grade Technology

Course Description

Seventh Grade Technology is a course intended as an introduction to a broad range of technological fields, and generalized principles in technology. Many of the topics are presented as a real-life or modeled problem to be solved. To solve the problems, students will need to use knowledge and skill that they already have. Students will also need to learn new things and new skills in order to solve the problems.

Contact Information

James Sanderson, Technology Teacher  
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(Email is the best way to contact me)

Course Objectives

- At the end of this course, students will be able to:
- Demonstrate proficient measurement skills.
  - Demonstrate safe practices in the lab.
  - Design an efficient transportation system.
  - Describe the process through which new technology comes about.
  - Demonstrate problem solving skills.
  - Describe the basic thermodynamic principles, and the connection between energy and technology.

Texts and Supplies

- Activity supplies will be provided.

Grading System

Participation	20%
Exercises & Worksheets	20%
Unit Tests	20%
Projects	40%

### Attendance Policy / Lateness / Late Work

- In order to do most of the work for this course, you must be in class. Therefore attendance is critical. Excessive absence will result in a significantly lower grade, unless excused, and other arrangements have been made.
- The policy for tardiness for this course is school policy: after three unexcused tardies, an after school detention will be assigned.
- Late projects will be accepted, but points will be deducted, depending on the circumstances.

### Rules of Conduct

It is expected that all students will follow all school rules. Safety is the most important concept covered in this class, and any safety violations will be met with appropriate consequences.

### Special Needs

Accommodations for testing or other academic assistance will be provided for students requiring these services.

### Shop Time

Students wishing to work on projects outside of class must schedule time with Mr. Sanderson

### Units:

- Safety
- Measurement
- Transportation Technology
- Invention and Innovation
- Problem Solving & Design
- Energy Technologies