

Mr. Wiltey – Engineering & Technology Education

Grade 6 – Introduction to Technology

Units:

- History and Evolution of Technology
- Problem Solving
- Design
- Systems
- Resources of Technology
- Processing Resources
- Using Systems in Technology
- Materials Processing

Transition Goals:

6th Grade – Introduction to Technology

Grading System

Tests and Quizzes – 50%

Projects – 50%

Projects

6th Grade – Rubber Band Car (Materials Processing, Design, History, Resources)

Grade 7 – Introduction to Technology

Units:

- History and Evolution of Technology
- How People Use Technology to Solve Problems
- Use of Design in Technology
- Study of Systems
- Seven Resources of Technology
- How to Process Resources
- Using Systems in Technology

Transition Goals:

7th Grade – In depth study and review of technology units

Grading System

Tests and Quizzes – 50%

Projects – 50%

Projects

7th Grade – Clock, Robot, Bridge, Magnetic Levitation

Grade 8 – Engineering

Units

- What is Engineering
- Research – Study of Speed
- Computer Aided Design
- The Design Envelope
- Specifications and Tolerances
- Engineering Principles
- Materials Processing
- Safe Use of Tools and Equipment
- Artistic Design
- Racing Finished Product

Transition Goals:

Complete introduction to engineering
Prepare a portfolio of engineering product (CO2 Car)

Grading System

Tests and Quizzes
Rubric – CO2 Car

Project

CO2 Car