

Veronica E. Connor Middle School

6th Grade Technology

Units of Study

Unit: Aerospace – Rocketry

- Terms: Lift, Thrust, Drag, Gravity, Aerodynamic, Leading Edge, Stability.
- Assessment: Construction Rubric, Teacher Assessed Performance, Altitude / Parachute Operation Rubric.
- Resources: Teacher generated Information/Construction Booklet, Sample Rockets, Internet Search for Design Possibilities, Construction Machines & Materials.
- NYS Standards: 5.1 Technology – Engineering Design,
5.2 Technology – Tools, Resources, & Technical Processes,
5.5 Technology – History & Evolution of Technology,
3.5 Mathematics – Measurement

Unit: Resources of Technology – Logo Design and Creation

- Terms: Resource, People, Knowledge, Time, Capital, Energy, Tools & Machines, Materials, Logo/Trademark, Preliminary Plan.
- Assessment: Teacher Evaluated Student Design/Planning, Construction Rubric.
- Resources: Teacher generated 7 Resources of Technology Information Sheet, Resource Logo Project Information Sheet, Construction Machines & Materials.
- NYS Standards: 5.1 Technology – Engineering Design,
5.2 Technology – Tools, Resources, & Technical Processes,
5.5 Technology – History & Evolution of Technology

Unit: Types of Technology, Systems, Measurement

- Terms:** Technology, Engineering, Physical technology, Informational Technology, Biological Technology, System, Input, Process, Output, Feedback, Monitor, Comparator, Open Loop System, Closed Loop System, English/Standard System, Metric System.
- Assessment:** Teacher generated exercises/worksheets - (Types of Technology, Systems Model, Measurement Exercises), Teacher Assessed Student Performance on Exercises and Measurement throughout the course.
- Resources:** Teacher generated Types of Technology, Systems Model, Measurement Exercises, YouTube Measurement Video
(https://www.youtube.com/watch?v=DQPQ_q59xyw)
- NYS Standards:**
- 5.2 Technology – Tools, Resources, & Technical Processes,
 - 5.4 Technology – Technological Systems,
 - 5.5 Technology – History & Evolution of Technology,
 - 3.5 Mathematics - Measurement