

Applied Technology - Curriculum Guide

I. Content Area

Applied Technology is learning current technologies through the use of hands-on activities, while incorporating science, engineering and math (STEM) into the curriculum. The Applied Technology Lab focuses on building communication and critical thinking skills. Each module corresponds to the student's science and math curriculum they will be learning in their core classes, helping to provide background knowledge.

II. Highlights / Major Topics

- 6th Grade 6 weeks
 - Introduction to Technology
 - Space and Rocketry
- 7th Grade 10-12 weeks
 - Aerodynamics
 - Animation
 - Desktop Publishing
 - Meteorology & Forecasting
- 8th Grade 10-12 weeks
 - CAD-Computer Aided Design
 - Digital Photography
 - Digital Video Editing
 - Engineering & Stress Analysis.

III. Essentials Questions / Skill sequence

For each module students will experience these essential topics:

- Historical Perspective: How have changes in technology, impacted society throughout time?
- Environmental Impacts: What positive or negative impacts on our environment has technology created?
- Everyday Application: How do the advances in technology enhance everyday life?
- Careers: What occupations use these technologies and how are they applied to everyday life?

IV. Assessment

- All module work may be completed together with a partner, but are graded separately, based on participation, research questions, and Post Tests for each module.
- The research questions are questions completed on the computer curriculum.
- On the last day of the module, students will take a post test covering the material in the module.

V. Technology

- Students will be working on a computer module set up with a LabVolt system.
- Within the modules students are using the most current technology applications for their activity.