

Applied Technology Syllabus

Mr. Duke & Mr. Maguire
Arts and Technology Team

Contact Information:

* Email: BDuke@barrington220.org & TMaquire@barrington220.org

* Website: WWW.StationTechLab.com

* Voicemail: 847-842-3636

* Please feel free to contact us anytime with questions. We prefer to be contacted by e-mail. We are available 1st period to discuss any questions that you may have. If we are not available when you try to contact us, please e-mail. We also do not get our voicemail daily so please follow-up with us and e-mail works best. We will do our best to get back to you as soon as possible.

Course Materials:

* Our Class does not use traditional textbooks. Here is a Web Link to the manufacturer of our Curriculum.

* Lab Volt-Tech Design Curriculum -

http://www.labvolt.com/display_left.cfm?ProductLineID=60&view=ProductLine

Course Overview:

* 7th and 8th grade students will be in the Technology Lab for 10-12 weeks, and 6th grade students for 6 weeks. For 6th grade, after a 5 day orientation to working in the curriculum modules and class room expectations, students will rotate through 2 different modules: Introduction to Technology & Space and Rocketry. In 7th grade, students will rotate through 4 different modules: Aerodynamics, Animation, Desktop Publishing, Meteorology & Forecasting. In 8th grade, students will rotate through 4 different modules: CAD-Computer Aided Design, Digital Photography, Digital Video Editing, and Engineering & Stress Analysis. Students work with a partner at each module for 7-10 days, following an instruction manual, videos, experiments, and activities. They are encouraged to work together in the module with their partner to complete the assignments, but are graded separately, based on participation, research questions, and Post-Tests for each module. The research questions are questions on the computer, worksheets, and module projects. It is emphasized that students actually research these questions, and not guess. This is accomplished through using the resources in the module, books on the shelf, videos they watch, the instruction binder, and using the computer. When these resources are utilized, they will score well on the research portion of the grade and be prepared for the Post-Test. And while it is required that the students complete the module projects, the results are not calculated into the letter grade. On the last day of the module, students will take a Post-Test covering the material in the module. After 7 days, students will continue on to their next module with a different partner.

Class Rules-(Students receive a list of unacceptable behaviors and the necessary deductions during orientation)

1. Make wise choices and do the right thing.
2. Respect yourself, others, Lab rules, materials, and property.
3. Treat others how you would like to be treated.
4. Be on time and in your seat when the bell rings.

6th grade curriculum

- * Introduction To Technology
- * Rocketry and Space

7th grade curriculum

- * Animation
- * Meteorology
- * Digital Video Editing
- * CAD Computer Drafting

8th grade curriculum

- * Aerodynamics
- * Desktop Publishing
- * Digital Photography
- * Engineering & Stress-
Analysis

Exploratory Curriculum

- * Exploring Electricity
- * Computer Problem Solving
- * Electronic Music
- * Web Page Development
- * Conceptual Applied Physics
- * TV Production
- * Auto Exploration
- * CO2 Raceway

Grading Policy:

Our grading policy follows the standard:

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 0-59

Grading Criteria Information for Modules:

Each module has the following grading criteria:

Pre Test = 0%

Research = 25%

Post Test = 75%

Activities = 0% (Required for applying hands-on experience to research)

**Students are expected to research information, answer questions and quizzes for each lesson, and complete necessary hands-on activities. The modules are self guided and will take teamwork, cooperation, problem solving skills to complete.

Student Grade Monitoring:

Each student is given a Module Record Sheet for each module. This allows each student to understand the expectations for the module assignments and also serves as a checklist before completing their module. This is also used to track progress and the grade for the module. The module breakdown is 100 % for research and 100% for the post test. Then the research is converted into 25% of the module grade and the post test is converted into 75% of the module grade. They are added together to give the overall module grade. Students are encouraged to take notes to prepare themselves for assessments. There are three Assignment grades for sixth grade. This is 100% for the two modules and 100% for personal conduct points totaling 300% points. For 7th and 8th grade, there are four modules which equal 400% points and 100% points for personal conduct totaling 500% points. Grades will appear on students' report card as one single grade for either Mr. Duke or Mr. Maguire. The Grades will appear on the report card after the class is completed. Trimester 1 grades appear in January. Trimester 2 grades appear in March/April. Trimester 3 grades appear in June.

Extra help and Make-up work Time:

Built in to the Module rotation schedule is a Make-up day for students who need a bit more time and/ or who were absent. If students miss several days they are encouraged to come in to make-up their work and seek additional help. Students may personally arrange for a time to come in. This ensures that Mr. Duke and Mr. Maguire will be available. The best time is before school at 7:15-7:55am by appointment. After school times are also available and are also by appointment.