

Course Syllabus

Applied Technology I

2009-2010 School Year

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MATERIALS:

Pencil or pen, notebook paper and jump drive or floppy disk may be helpful.

DESCRIPTION:

The goals of this course are to 1) improve technical literacy 2) increase career awareness skills by investigating some of the following: Producing web pages. Designing video games, Making Music Videos, Lasers, Pre-engineering, Architecture, Computer Graphics, Animation, Aerospace, Special Effects, 3D Cad, Milling and biotechnology.

GOALS:

1. Technical Literacy
2. Career Direction

REQUIREMENTS:

Students will learn CADD, electronics, do a TSA entry, a multimedia presentation, a career portfolio and a final project of their choice.

RESOURCES:

www.tsaweb.org
www.w3schools.org

EVALUATION:

Students get points for attendance. Grades are on a percentage basis. When working with a partner, separate assignments will be completed except for the multimedia assignment when the opportunity to grade the partner will be available.

BTEC meets on days when home high schools may schedule assemblies or special schedules. Students are encouraged to attend BTEC when ever possible!

FINAL EXAMINATION: Students will complete a final project in lieu of an examination.

STUDY ASSISTANCE: Available by appointment.

Course Syllabus (cont.)

Applied Tech

<u>WEEK *</u>		<u>TOPIC</u>
1-2	Choice of Module	Various
3-4	CADD	2 tutorials, one original and a key chain will be produced. Quiz
5-7	Module of Choice	Various
8-10	Electronics	Students complete several circuits and graded for correct functioning.
11-12	Module of Choice	Various
13-14	TSA	Students will prepare a contest entry.
15-16	Module of Choice	Various
17-19	Multimedia	Students choose from topics and complete a multimedia project
20-21	Module of Choice	Various
22-24	Career Portfolio	Update resume, cover letter and practice interviewing. Students will accumulate and reflect on samples of their work.
25-27	Web Page & Module of Choice	Web page on topic of choice & electronic portfolio.
30-36	Individual Final Projects &	Students choose from topics and complete a project.
36-40	Module of Choice	Various