Advanced Technology Applications

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COURSE DESCRIPTION
The purpose of this course is to provide Engineering Technology students with the opportunity
to develop a program capstone project from “vision” to “reality” working in teams to design,
engineer, manufacture, construct, test, redesign, test again, and then produce a finished
“project”. This will involve using all of the knowledge previously learned, not only in
technology education, but across the curriculum.

COURSE EXPECTATIONS

Computer Lab: The students are not to change any settings, download any files or play
games on the computers. Food and drink are not allowed in the labs.

Absences: Students are responsible for making up notes, classwork, quizzes, and tests after
an absence. Missed assignments must be made up outside of normal class time (at lunch or
after school or at home when possible) on a date approved by the teacher. Most classwork
is updated daily on CANVAS.

Grades:

Class Work (Formative) = 40%
Quizzes/Test/Projects (Summative) = 60%

A 90 - 100%
B 80 - 89%
C 70 - 79%
D 60 - 69%
F 0 - 59%

Late Work: Assignments are due on specified dates. Work must be submitted in the correct
manner to receive credit (sent to CANVAS). Students turning in assignments late will be
subject to loss of points unless other prior arrangements have been made (for example:
excused absences). Late assignments will not be accepted after 3 days (formative) or 5 days
(summative) past the due date unless other prior arrangements have been made.

Need Assistance? If you require assistance with projects, need reinforcement, or need an
extension on a project, it is your responsibility to ask me for assistance. I want you to be
successful.

Supplies:

✓ Folder or 3-ring Binder (Section: For storing handouts and assignments)
✓ Notebook (70-100 sheets): For daily writing activities
✓ Pen or Pencil
**Course Objectives/Units:**

**One**  
**Pre-Planning Conference**
- Establishing Schedules, Expectations, Adv. Learning Applications & Evaluation Criteria

**Two**  
**Project Criteria**
- Journal
- Project Portfolio
- Oral Progress Report

**Three**  
**Project Experience**
- Provide a match between student career interests and a project based situation that will provide exposure to the broad aspects of the selected industry.

**Four**  
**Experience Plan**
- Outline Learning Objectives, Activities/Responsibilities & Student Evaluation