

Subject: Electrical/Electronic Systems

Teacher: Mr. A. Dulce

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Course Syllabus: Electrical/Electronics Systems

1st Quarter

- Introduction to Electrical Technology
- Ohm's Law
- Series and Parallel Circuits
- Combinational Circuits
- Projects (Battery and Water Heater)

2nd Quarter

- Introduction to Electronics
- Basic Logic Gates
- Truth table and K-mapping
- Wiring diagram design
- Projects (Digital and Wiring Designs)

Course Syllabus: Energy Systems

3rd Quarter

- Creation of a 2-legged or 4-legged robot
- Book report about the major project

4th Quarter

- Continuation of major project (2 or 4 legged robot)
- Robot Competition participation
- Project (Rocket Car)

Course Syllabus

TECHNOLOGY EDUCATION

Students will use a “systems approach” to solve technology problems and investigate some basic building blocks (core technologies) of modern technology systems. Students will use tools, materials, science concepts and mathematics to be inventive and apply their ingenuity. For additional information on courses offered in Technology Education, refer to the PGCPS CHOICES and catalog located in the Guidance Office.

Daily Class Requirements

Pencil & Pen
8 ½” x 11” Notebook Paper
Agenda Book
2” Binder

Grading Policy

Projects 40%
Assessments 30%
WU, CW, HW 20%
Professionalism 10%

100 – 90% A
89 – 80% B
79 – 70% C
69 – 60% D
59 – 0% E

Attendance:

Class attendance is mandatory for this course. If a student has an unexcused absence the day an assignment or project is due, the student will receive a zero for that project or assignment. The accumulation of five (5) days of unexcused absences per semester will result in a not grade for the course.

Make-up Work

Unexcused absence: No make-up work is permitted.

Excused absence: Students will be responsible for obtaining assignments missed. Students must make an appointment, the same day they returns to class, to receive make-up assignments, tests and quizzes.

Standards for Projects and Assignments

Use 8 ½ “x 11” paper or the paper provided by the teacher

Use complete sentences and spell out all words

All drawings must be completed in pencil – pen is unacceptable

All assignments must be typed, unless otherwise noted, in APA format

Class Expectations

Do - Be to class on time and ready to work

Be prepared for class

Give full attention to all announcements

Raise your hand and be recognized before you speak

Don't - Eat or drink in the class.

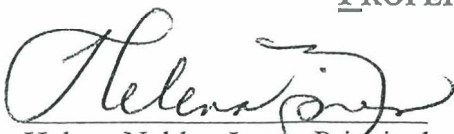
Touch lights or windows

Sit on top of the desk

Enter or exit through the back door

5 P's For Success

PROPER PLANNING PREVENTS POOR PERFORMANCE!



Helena Nobles-Jones, Principal



Victoria Lee, Department Head