

Electronics I

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Welcome to Electronics I! This class meets everyday during this period for the whole year. The location of the class will vary between the Electronics Lab (A20) for completing labs and hands on activities and the Materials Lab (A16) for lectures and lessons.

This is the second year that this course is being offered. Last year, my students and I learned together on the best methods for teaching this class. Adjustments will be made this year but I am always looking to improve the course.

Based on the feedback from last year's students, this is a very challenging course. You have been warned.

The first part of this class is going to be largely lecture based. All students will have to be patient because all students are coming into the class at a different level of knowledge.

The course is setup that we will have a lecture/lesson on new course content and then complete a lab associated with that content. We will maintain lab folders for the class. As a general rule, there will be a worksheet that goes with the lecture and then another for the lab. These worksheets will then be used on the midterm and final exams. The midterm and final exams will have both a written and hands-on portion to it.

Course Content:

- Electronic Lab Procedures
- Identification of Equipment
- Atomic Structure
- Basic Electricity Principles
- Basic Electronic Components
- Identifying/Constructing/Calculating Circuits
- Integrated Circuits
- Microcontroller Programming

Parent Permission Form is due on: _____