

Montclair High School

Course Syllabus

Department: Technology

Course: Robotics 1

Level: HH

Credits: 2.5

Course Description:

This class is a foundation/Introduction to the Mechanical/Electrical aspects of building robots. The basics of electricity will be covered up to basic semi-conductors. Hands on electrical lab will include splicing, soldering, and breadboards. The Mechanical focus of class will cover the use of hand and power tools in shop. Hands on lab will include cutting, drilling, threading, assemble of robots.

Standards:

9.3.12.M3.(1-6)

Anchor Text(s):

None

Supplementary Materials:

Online notes available for students

Units of Study:

Electricity, Fasteners, Basic Machine Shop Into

Proficiencies:

By the end of this course, students will:

- Understand and assemble basic circuits
- Work in shop to build basic projects

Evaluation & Assessment:

- Home Work 10%
- Lab Work 50%
- Workmanship 30%
- Test/Quiz 10%