

Montclair High School

Course Syllabus

Department: 21st Century Skills

Course: Introduction to Welding and Fabrication

Level: Regular

Credits: 2.5

Course Description:

This class is a foundation/Introduction to working with raw materials to create projects/works of art. Students will work with steel and aluminum - utilizing cutting, bending, grinding, and welding machines. Hands on Labs will include: Use of shop power equipment and welders.

Standards:

9.3.12.M3.(1-6)

Anchor Text(s):

Shop Manuals/ Online Reference

Supplementary Materials:

Online notes available for students

Units of Study:

Welding, Bending, Grinding, Drilling, and Metal types

Proficiencies:

By the end of this course, students will:

- Bend, cut and shape metal
- Weld steel

Evaluation & Assessment:

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