

WELDING

FILLMORE CENTRAL SCHOOL

Course Description

This course will introduce students to basic welding technology, safety, equipment, and welding practices. Emphasis is placed on lab activities that include gas metal arc welding (GMAW, "stick"), shielded metal arc welding (SMAW, "MIG"), and thermal cutting.

MS. BRANDT

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Room: D136

Required Materials

To be successful in this course everyday, you need to be prepared. The following things are required:



Proper attire
Cotton clothing, **NO synthetics!** Pants.



Safety Glasses



Full Leather Shoes or Boots
EVERYDAY! No exceptions!
No sandals!



Laptop Computer

Space will be available to store footwear and clothing for the length of the class. Make sure you are prepared everyday by storing materials at school.

Units of Study*

- Safety
- Career Exploration
- Principles of Welding
- Metallurgy
- GMAW
- Thermal cutting (plasma & oxy-fuel)
- SMAW
- GTAW
- Individual Projects

Grading Information

- 40% Class activities/projects
- 40% Portfolio
- 20% Participation

Class Norms and Expectations

Students need to be in class and on task. Students should be prepared to work and follow all safety requirements.

*Units may be added and subtracted throughout the year.