

Metals I

Grade: 10 - 12

Credit/Length: 1/2 credit 1 Semester Elective

Supplied by School: Safety Glasses, Ear Plugs, Jacket, Gloves, Helmets. (If you wish to bring your own you can)

Materials Needed: Notebook, Pencil, Ipad, Leather Shoes, Proper Clothing

Course Description:

Learn basic types of production processes. We will cover a variety of different areas of metal working including Sheet Metal, Electricity, Welding and CNC machines. All these subjects play a large role in today's society and are skills that can benefit your success with your post high school career. This course is not just about a skill but learning to problem solve by applying knowledge from other core classes.

Course Objectives:

- 1) For students to understand lab safety.
- 2) Show respect for classmates and machines.
- 3) Have basic principles of electricity.
- 4) Know how to set up and use proper equipment in welding.
- 5) Weld different types of welding joint.
- 6) Demonstrate ability in measurement
- 7) Learn basic fabrication techniques
- 8) Gain appreciation for quality welding skills and techniques.

Classroom Rules:

Following the rules in a lab environment is necessary for the safety of every Student in it. Not following the rules will result in removal of the class. You will be given the rules on the first day of class and they will be posted in the classroom.

You can also find them on Schoology.

All online/book work needs to be completed to work in lab.

Grading:

- Daily work, quizzes, tests, and Lab points are weighted the same.
- Student is accountable for getting makeup work when gone.
- Students are given opportunity to complete all work in class.

Lab Expectations:

For the safety of yourself and others students are accountable for understanding and following all safety rules while in the lab. These rules are posted in a separate document.

Safety

If students do not have appropriate safety gear on they will not participate in lab.

1st offense- lose lab points

2nd offense- lose lab points and parents will be contacted

3rd offense- lose lab points and parents will be called and improvement plan will be discussed.

Additional Time:

If you need extra time to work on an assignment or project, set up a time with me during class to work afterschool or WIN session.

Contact Info: Don't hesitate to email or call me with any questions or concerns.

- Email: tbroeren@west-fargo.k12.nd.us or Phone: 356-2050