

# METALS

Instructor: Mr. Winchester  
Room 1715 & 1722

Grades 9-12  
One Semester

## COURSE CONTENT

Metals is a course covering the very basics of metalworking field. Units covered in this course include the following: metal identification, welding (stick & oxyacetylene), cutting (oxyacetylene), machining skills, safety, and use of various tools. You also have the opportunity to build a small project.

## GRADING

**Final Grade:** The final grade will be determined by an average of classroom grade (1/3), lab grade (1/3), and lab behavior (1/3).

**Classroom Grade:** The classroom grade will be based on the student's overall average of daily assignments, quizzes, and unit tests. Unfinished assignments will result in ELT.

**Lab Grade:** The lab grade will be based on student's completion and QUALITY of work done in the lab.

**Lab Behavior Grade:** 100 points will be given to each student at the beginning of each term and will be a 1/3 of their grade. Performance of each student will be monitored for safety infractions that could cause injury to the student. An infraction is a deduction of points and repetitive infractions will result in removal from the lab.

**Grade Reports:** Students will receive weekly updates of grades. It is the responsibility of the student to inform the guardian of his or her progress in the class. Guardians are encouraged to contact the school for grades or any information regarding this class.

## FEES

There is a \$15.00 lab fee for this class. Please pay or make arrangements to pay the fee the first week of class in the activities office. Credit for Metals cannot be granted until the fee is paid for.

## ATTENDANCE, DRESS, AND BEHAVIOR

N.P.H.S. attendance and dress policies will be adhered to in Metals. Tardiness (less than 10min.) or other violations of rules will result in detention. Habitual or serious violations of rules will result in detention or referral slips. Absences of 10 or more days makes the student exempt from credit for the class unless under reasonable circumstances. Make up work from absences must be made up within 2 day of absences. Safety glasses must be worn in the lab at all times of the day. **No sandals** can be worn in the lab. Any loose clothing or long hair must be tied back to prevent injury to the student. **Pants (blue jeans) with no holes must be worn to prevent burns to legs and feet.** Good work shoes or boot and protective clothing are recommended.

**EXTRA CURRICULAR ACTIVITIES**

All students have an opportunity and are encouraged to join SkillsUSA and Power Drive Electric Car. Both these activities develop hands on knowledge and leadership skills. Skills USA has a competition that is directly related to this class called Welding. That can lead to great scholarship and excellent job opportunities.

**DETENTION**

Students will serve the amount of time given to the student or until the misbehavior is modified. Detentions will be a modification of the misbehavior not the student. The student is allowed twenty-four hours from when the detention is assigned to the student to make arrangements with the teacher when the student will serve the detention. The student has 48 hours from when the detention was assigned to serve the detention. If the student does not make arrangements with the instructor or skips the detention then the time doubles. After that then the student is referred to Saturday school.

**STUDENT’S POSSESSIONS AND EQUIPMENT**

A lock is needed to protect students’ items from theft. The school assumes no responsibility for the equipment brought in but steps can be taken by the student to prevent theft from happening. Student’s possessions must be removed at the end of the term or the student will receive a failing grade until the item is removed. If the item is not removed then it is up to the teacher’s decision on removal and disposal of the equipment.

**ACTION FORM**

The action form is documentation between the student and the teacher on rules and procedure for tardiness and misbehavior.

**Mr. Winchester’s Guide to stay out of trouble.**

Do not disrupt anyone’s learning process.

I have read the above syllabus and agree to adhere to rules and regulations of the class.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
(Parent or Guardian)

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
(Student)

# CLASSROOM AND LABORATORY RULES

1. Assignments for the class will be completed according to the expectations of the task. “Failure is not an option” Dr. Brochtrup, Superintendent.
2. Students must practice safety at all times. Report all accidents to the instructor immediately not matter how minor.
3. No one will leave the classroom or lab without the instructor’s permission.
4. No sandals, shorts, or loose clothing are to be worn at any time is the lab.
5. No student is allowed in the loft storage areas accessed by the staircase.
6. State law requires SAFETY GLASSES to be worn in the shop at ALL times. Grades will be given to reflect compliance this law. Also a Gun Control Law requires that no weapons of any type (guns, knives, chains, or drugs) shall be brought on school grounds or in school. If weapons are brought into the lab or created in the lab, law enforcement personnel will be notified and the student may be facing one-year expulsion from school.
7. Good lab practices are encouraged at all times like cleanliness, neatness, tool care, storage of parts, and trash disposal.