

Course: Metal Technology

Teacher: Mr. Coffee

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Course Description

This course is designed to introduce you to some of the basic principles of sheet metal fabrication, blue print reading, measurement, gas and arc welding. You will also safely demonstrate the skills and knowledge that you have acquired in this course through both written and hands on assignments.

Objectives

-Students will acquire knowledge of metal working procedures within the shop that will enable them to design, create, construct, and weld projects in a logical step by step process.

-Students will gain the knowledge and ability to successfully estimate the cost and amount of materials needed to complete the job.

-Students will gain specific knowledge of metal working tools and how to properly maintain and use these tools.

-Students will gain knowledge and an understanding of safety procedures that are critical to the creation of a safe work environment.

Required Projects

-Gas welding: Beads without filler rod, beads with filler rod, butt weld, and 90 degree weld.

-Arc welding: Arc beads and build up

-Sheet metal: Tote box, and slide top box.

Classroom Instructional Methods

-Students will be receiving and actively engaging in lectures, written and hands on assignments, and shop activities.

Grading Procedures

-Students will be graded on attendance, participation in class, projects, and written assignments. Since this class has become a CTE course, attitude, behavior, and attendance will be part of the grading system.

A = 90 - 100 %, B = 80 - 89 %, C = 70 - 79 %, D = 60 - 69 %, F = 59 - 0 %.

Classroom Policies

-Students are expected to come to class prepared and on time every day.

-Students are expected to complete all assignments on their own.

-Everyone is expected to respect everyone else and everyone else's property.

-Students are expected to act with safety in mind at all times. Fabrication of any weapon will result in a referral and suspension. (Refer to the secondary handbook on page 24, under definition of a weapon.)

Office Hours:

I am available before and after school from 7:15 AM to 2:50 PM. I do coach so those hours may vary during the spring.