Metalwork 9/10

Expectations

R-Respect yourself and others

E-Engage, be an active learner

S-Supplies, be prepared

P-Positive attitude

E-Enjoy learning the skills presented

C-Care for this classroom and the school

T-Think critically

Please come to class on time with a binder and pen, and be ready to work.

Have all electronic devices turned off and out of sight.

No food or drink allowed in the shop…NO EXCEPTIONS!

Complete and submit all assignments on time.

**Student Safety.**

It is of the utmost importance that students remain quite and py attention to all demonstrations.

Protective eyewear must be worn around all powertools.

All jewelry must be removed and long hair tied back.

Loose clothing my not be worn.

Open toed shoes are not allowed.

Report all accidents, injuries and damaged equipment to the teacher immediately.

Inappropriate or unsafe behavior will result in loss of shop privileges and or a referral to the office.

**Course Outline**

Metalwork 9/10 is an introduction to working with metal

The course will be divided into 5 units

Unit 1- Safety- must be completed and safety test passed to work in the shop.

Unit 2- Tool and Fasterners 101. An introduction and demonstration of the tools and fasteners we will be using.

Unit 3- Measurement. Students will learn to accurately measure in both metric and imperial.

Unit 4- Cutting, Bending, Shaping and Finishing. Students will make a metal cell phone case in this unit

Unit 5-Soldering and brazing- basic brazing techniques will be taught and students will master copper soldering techniques.

Unit 6- Blacksmithing-Students will learn the basic skills of forging. Students will make a bottle opener or coat hook in this unit.

Unit 7- Welding. This unit will deal with the basic theory of welding principles and basic welding techniques Students will be encouraged to design and create a simple welded project

Unit 8- Enquiry based project. Students will design and make their own projects. Examples can be found on Pinterest on the Franklin Street metal works page.

**Marks.**

Students will be marked on written assignments, tests, practical skills, and cleanup as follows.

Written work 20%

Tests 20%

Practical Skills 50%

Cleanup 10%