

PROJECT – Pendant Metal 8

Foundation Skills

The Purpose...

In this activity, you design and fabricate a pendant using the first initial of your first name.



You will gain fabrication skills involving pattern-making, image transferring, layout, cutting, piercing, shaping, and finishing.

The Preparation...

For this activity you will need the following:

- Paper, pencil and eraser, ruler
- Scissors
- Glue stick
- 1x1" sheet
- Jeweler's saw and bench pin
- Centre punch and hammer
- Assorted files
- Sandpaper in various grits
- Demonstrated safe use of:
 - Drill Press or
 - Hand drill
 - Buffing Wheel

The Procedure...

Almost all cutting of this project will be done using a Jeweler's Saw. You will need to cut the outside, and you *may* need to cut out part of the inside. Cutting the inside is called *piercing*.



There are three steps to this project:

1. Brainstorming
2. Pattern Making
3. Fabrication

Brainstorming

First, you need to know the first letter of your first name.

Second, you need to decide what it's worth to you:

Scale of Complexity		
Easy	Medium	Hard
Printed Letter (basic)	Cursive Letter (handwriting)	Gothic Letter (or equivalently complex)
G		
C+	B	A



Brainstorm 6 different ideas for your letter. Try to **fill** the box (actual size). Try to keep the design **SIMPLE** (*Hey! Where is the hole for the Pendant to hang from????*):

SAMPLE		
DO NOT USE		

Have your instructor mark these drawings - this is your ticket for the metal!

Fabrication

- Get the metal from your Instructor
- Cut out the “best” design from the Brainstorming activity
- Use a glue stick to attach the design to the metal
- Centerpunch and drill hole(s), if needed, to insert the blade inside your design
- Thread the blade through the hole you just drilled, then secure the other end of the blade and cut to shape
 - BE GENTLE
 - Saw straight up and down
 - Keep the blade moving
 - Keep shortening the frame to fit the blades you break *BECAUSE YOU WEREN'T GENTLE*
- Carefully cut the outside of the design
- Use files to smooth out the saw cuts, and show this sentence to your instructor for a bonus (it shows that you are reading this)
- Use rough, medium and smooth sandpaper to remove the file marks
- Buff using the Tripoli and then Rouge wheel
- Clean the pieces thoroughly
- Be sure to hand in for marks!

