

## Construction 1

### Medallion Project

Purpose:

Introduce students to the design process and quality workmanship

Materials:

wood square, colored sharpies/pencils

Procedure:

1. Design medallion that is no smaller than 1 ½" in any direction and no larger than 3" in any direction.
2. Trace shape onto wood block using a template
  - a. Use a sharp pencil to trace shape outline exactly
3. Cut shape removing most of the trace lines with scroll saw
4. Sand smooth removing rest of trace line till exact shape is reproduced
  - a. Start with 80 or 120 grit sand paper and finish with 240 grit
  - b. Do not over sand – it will only get smaller
  - c. Use sanding block to keep edges flat where needed
5. Decorate with sharpie
6. Include your name and class number on one side of the medallion
7. Drill hole 1/8" hole

Grading Rubric -- Criterion C: Creating the Solution

turn in medallion with design template

- Demonstrates excellent technical skills: Followed instructions
- Demonstrates excellent technical skills: Craftsmanship
- Followed the plan to create the solution, which functioned as intended