*Students will be expected to:*

 *1. Demonstrate safe and effective use of a variety of production technology tools and processes*

*2. Construct solutions to production technology problems*

*3. Evaluate solutions to production technology problems*

*4. Safely use basic hand tools, power tools, and equipment to create a product that solves a design problem*

Sign Design

Situation

Signs are everywhere. They function to communicate messages and clarify our understanding.

Problem

Create a 3 dimensional sign to communicate a message that is important to you.

Requirements

* Complete basic hand tool safety lessons
* Must include a freehand routered message.
* Must be free form design.
* Must be finished using techniques outlined in class.

Materials

* Selected Pine
* Glue
* Fasteners
* Finishing Products
* Router, Jig Saw, Drill, Router Bits, Drill Bits

Research

* What makes a good sign?
* Find examples of aesthetically pleasing signs that communicate a message.
* What elements make one sign better than another?
* What are some common methods for sign creation?
* What are common finishing techniques for wood products?

Ideas

* Create at least 4 thumbnail ideas for your sign
* Create at least 1 refined sketch of your best sign idea
* Create a final working drawing of your chosen sign idea
* Complete a finishing pattern layout in PowerPoint for any stenciling that will be a part of your design
* Create a materials cut list for your design

**Design**

* Construct your solution to the problem

**Evaluation**

1. Looking back on your research “What makes a good sign”, comment on how well your sign meets these criteria.
2. Does your sign represent a 3D design and communicate a message? Explain.
3. List the changes and modifications you made to your design throughout the process.
4. What is the best feature of your sign?
5. How could your design be improved or innovated?