

Wooden 3 x 3 x 3 project

Due Monday 4/11 (4th period) Tuesday 4/12 (5th period)

In Inkscape, design something that you will cut out of wood that fits the following criteria:

- It fits in a 3 x 3 inch square on the wood.
- When cut on the laser, you end up with three or more pieces that make up your object.
- The pieces fit together without glue.
- The pieces form a 3D object that holds together.

The project is called 3 x 3 x 3 because it has three or more parts that are cut out of a 3 by 3 inch square of wood.

Start by opening a new Inkscape document.

Go to the File menu > Document Properties

Change the measurement to inches, then change the document size to 3 by 3 inches.

Save the file with your name in the title and 3 by 3.

In your document, design three or more pieces that will be cut out of our 3.5 mm plywood that will fit together somehow to create an interesting object or creation. Use red stroke, .1 mm width for cuts. Use .1 stroke black for writing if you want writing.

What should you make? Think of something that can be made with three or more parts that can be cut out of a small piece of wood. This is wide open. Don't be afraid to try something.

Limitations:

We will not be rastering, so no bitmap images. Just red and black stroke for vector cutting and engraving.

No glue or tape or whatever, it's just wood, so slots/holes should be 3.5 mm wide to fit inserted pieces of wood.

When you have something you want to try to cut out on the laser, email the file to laser.makerlab@wscuhsd.org and give it a try.

Be sure to show me your completed project assembled to get checked off. And don't forget to turn in the Inkscape file at the end.