



Spark Makerspace Woodshop Class: **Holiday Tree: Woodshop and Stained Glass Workshop**

In the woodshop, participants will be instructed in use of the scroll saw to cut an intricately patterned holiday tree. Students will also make a simple wood stand. After sanding and shellacking, the tree will be ready to be adorned with a stained glass ornament.

Class Outline:

- Introduction
 - 6 Hour class. 2.5 hours in each workshop, 1 hour lunch/make-up time
 - Split class - 3 students per workshop
- Woodshop safety discussion
- Introduction to the scroll saw
 - Ensure blades are tensioned and sharp
 - Set hold-down height
 - Relief cuts must be straight
 - Nick starting point if required
- Pattern mounting
 - Cut holes, tape down
- Mark drill holes
 - One for ornament
 - Additional one (not on template) to hang dry
- Practice cuts
- Cut tree pattern
- Sand
 - Sand with the grain on large faces
- Add initials to tree and base
- 1st coat shellac
 - Dry 20 minutes min
- Sand
- 2nd coat shellac

Materials Required:

- 1/4-inch thick hardwood, 6-inch by 8-inch board (cherry or walnut recommended)
- Pre-made base
- Tape (clear packing tape recommended)
- Shellac or other wood finish

Tools Used:

- Craft Knife or scissors
- Awl
- Scroll Saw
- Drill Press
 - 1/16-inch drill bit
- Sandpaper
- Paint brush

Base fitting adjustment:

If the finished tree is loose in the base, glueing veneer shims to the inside of the base, or the bottom of the tree, will allow a tighter fit.

A few drops of super glue can be used to hold the veneer in place. Glue in the veneer before final sanding and shellacing.