

Lesson Plan

Instructor: Daniel Strang

Date: April 20, 2023

Course: Grade 11/12 Woods

Unit: Planter Stand

This Lesson: Planter Stand Legs

Supplies/Tools:

- 6" wide pine, cut into 19" long pieces, one edge jointed and other edge tablesawn
- Leg templates
- Planer
- Bandsaw
- Push stick
- Belt Sander
- Spindle Sander
- Pencil
- Tape Measure
- Combination Square

Focusing Event: Show students the prototype I'm working on and explain that this is the next project. Go over the components of the project.

Body:

1. Students will start by skip planing their piece to thickness. Aiming for exactly $\frac{3}{4}$ " so remind them how to set the digital planer
2. Using the template, draw the leg design on the four corners of the piece. Emphasize the flat side of the template should line up with the flat edge of the piece.
3. Cut the legs to length (9") at the bandsaw. Remind students to stay outside of the line.
4. Keep two legs together, use the belt sander to flatten the cut end, then sand the outside radiuses
5. Cut the two pieces in half lengthwise, then rough cut out the curve for the legs. Mention the use of relief cuts.
6. Use the spindle sander to sand to the line. Mention that the spindle sander might get gummed up and to let me know.
7. Students can then go back to work on their stools or start this project.

Summary:

1. Plane board to thickness
2. Draw designs with template
3. Cut legs to length
4. Belt sander outside edges
5. Cut out inner radius
6. Spindle sander inside edges

Cleanup 5 minutes before class ends