



Wood Science

A Closer Look

YANR-8a

ALABAMA COOPERATIVE EXTENSION SYSTEM / ALABAMA A&M AND AUBURN UNIVERSITIES, ALABAMA 36849-5612

4-H Woodworking Exhibit Plan

Carpenter Box

Materials Needed

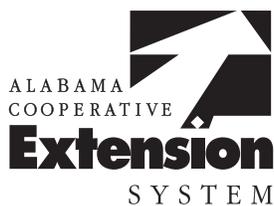
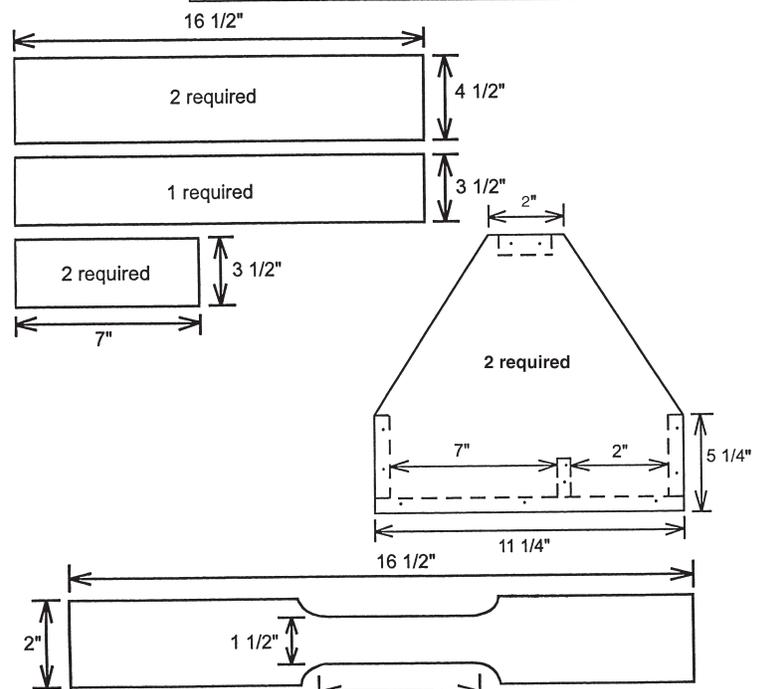
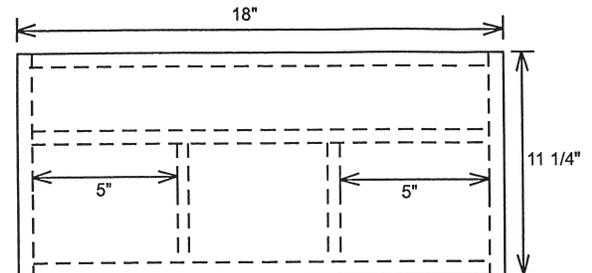
1" x 12" pine or spruce shelving 6½' long
 Wood screws No. 6 x 1½"
 Stain and varnish for finish (no paint)

Tools Needed

Table saw Circular saw Jigsaw Drill
 Hammer Sandpaper Small paintbrush

How to Make a Carpenter Box

- Using the 1" x 12" shelving board, measure and cut the bottom piece 16½" long.
- Cut two end pieces 11¼" long. Measure from the bottom 5¼" on both sides and 4⅝" from the top right and left. Cut the two angles shown.
- Cut a piece of shelving board 16½" long. From that piece measure and rip the two side pieces 4½" wide by 16½" long. The piece left should be ripped to 2" wide, cut and sanded ¼" from each side to fit your hand in the middle 5" wide.
- Cut another piece 16½" long. From that piece, rip the divider 3½" wide. Rip another piece 3½" wide and cut two pieces 7" long.
- Sand each piece smooth and apply stain and varnish before assembly.
- Assemble the toolbox by first attaching the ends to the bottom with the wood screws. Next attach the sides flush inside the bottom and ends. Attach the long divider 2" from the side piece. Attach the two short dividers 5" from the ends. Attach the top ½" from each side. Be sure to pre-drill the holes.



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