Dartboard Cabinet

OVERVIEW

Introduction

Building a Dartboard Cabinet can be a great way to familiarize yourself with your Skil router. You'll also get a great Dartboard Cabinet in the process! Before starting the project, it's a good idea to measure your dartboard to get the general dimensions for the cabinet, as well as measuring the area in which the dartboard will be mounted. Before gathering your supplies, you will need to determine the width, height and depth of your custom cabinet.
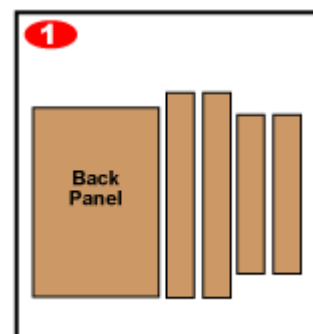
BEFORE YOU START...

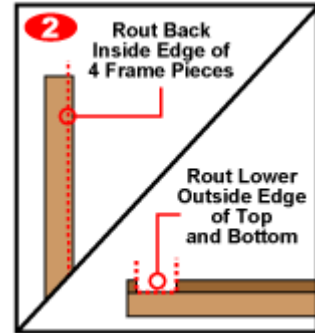**SKILL LEVEL & TIME TO COMPLETE**

- Beginner - about 18 hours
- Intermediate - about 12 hours
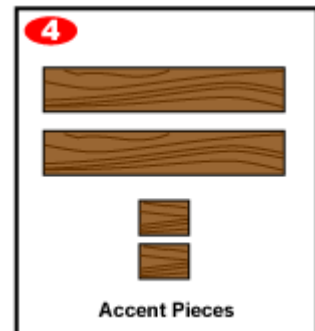- Advanced - about 6 hours

STEPS

1. **You will first construct the cabinet.**
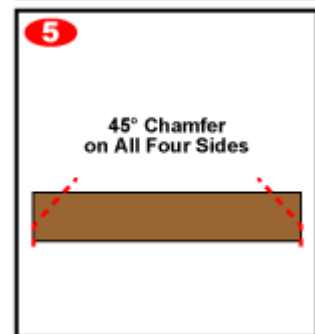   Using your table saw, cut the back panel of the cabinet and the four frame pieces.

2. Using your router fitted with a rabbet bit, rout a lip on the back inside edge of each of the four frame pieces to fit the back panel. Also, rout dados on the lower outside edge of the top frame piece and on the upper outside edge of the bottom frame piece. Using your palm sander, sand each piece smooth.
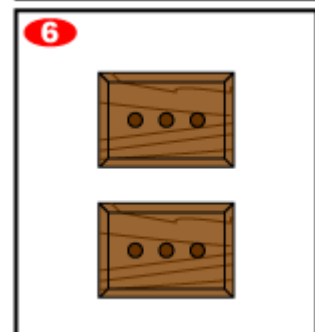

2 Rout Back Inside Edge of 4 Frame Pieces

Rout Lower Outside Edge of Top and Bottom

3. Glue the side top and bottom pieces together. Place the back panel with the frame, so that the back panel fits within the channels. Glue the back panel into place, and staple into the side pieces. Touch up the cabinet with your palm sander.

4. From your decorative accent wood, use your table saw to cut the top and bottom accent pieces, as well as two smaller pieces that will be used for dart storage.
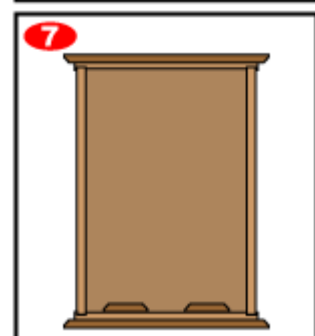

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Accent Pieces

5. Using your router fitted with a chamfer bit, cut a 45° chamfer on all four sides of each of the pieces.

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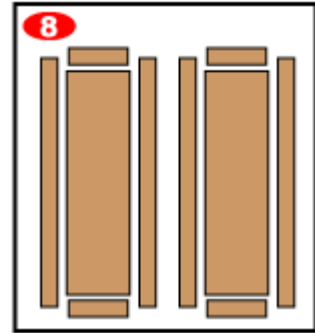
45° Chamfer on All Four Sides

6. Drill holes in the smaller pieces to hold darts.
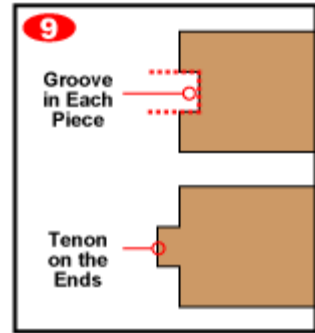

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7. After sanding the pieces smooth, glue and screw the top, bottom and dart storage pieces to the cabinet.
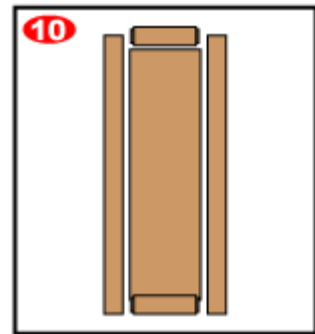

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8. **Next, you will construct the raised-panel cabinet doors.**
Using your table saw, cut the door panels and 4 frame pieces to size. Sand each piece smooth.
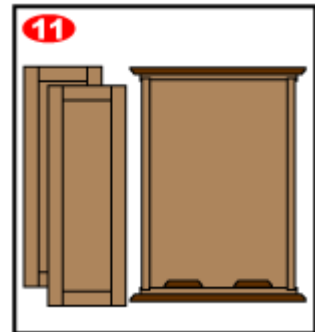

9. After cutting the frame pieces, use your router fitted with a stile and rail bit set to rout a groove in each piece, and a tenon on the ends of the rails.
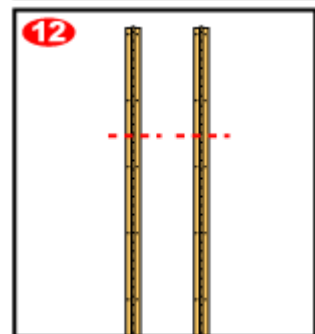

10. Set the panels into the frame pieces and glue each frame together, only gluing the rails and stiles, not gluing the panels within the frame.
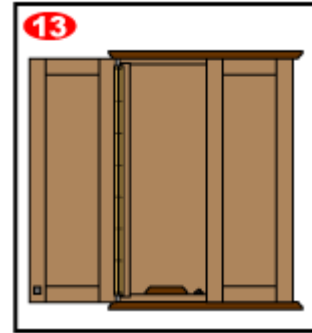

11. After the glue has dried on the cabinet doors, varnish each piece. Between each coat, sand the pieces with a fine, steel wool to give the cabinet a smooth finish.

12. Using your jig saw with a metal cutting blade, cut the piano hinges to the correct length. File the sharp burrs from the cut ends.

13. Attach the doors with the piano hinges. To complete the dartboard cabinet, secure the magnets to each of the doors with wood screws. Now that your dartboard cabinet has been successfully completed, screw the dartboard to the wall through the back panel, and start playing!

SHOP LIST

Materials List
Wood glue
Wood screws
Brads
Clamps
Metal file
Primary Wood selection (for the cabinet surface, sides and door)
Decorative wood selection (accent pieces)
Piano hinges
Door-keeper magnets
Varnish
Router bits -- 45° degree chamfer bit, rabbet bit and 1/2″ straight bit

Tools List
Router
Router Table
Router Bit Set
Drill
Table saw
Palm sander
Jig saw
Power screw driver
Hammer