

BUILDING MEMORIES

What You'll Need:

Materials

- One 1x2x6 pine board
- One hardwood dowel, 30" in length and 3/4" diameter
- Three 1/2" diameter ropes, 16" in length
- Woodworking glue
- 10 drywall screws, 1-1/4" length
- Three 1/2" copper couplings
- Construction adhesive
- Paint and polyurethane coating

Tools

- Drill press with 3/4" forstner bit
- Circular saw or jigsaw
- Sander
- Four 6" clamps
- Speed square
- Paintbrush
- Candle and matches (to fuse end of rope and prevent fraying)
- Safety glasses
- Tape measure

Instructions:

- 1 Cut pine into two 16" long strips and four 7-1/4" long strips.
- 2 Cut five 5" lengths of the dowel.
- 3 Using diagram at right, set up the pieces of the base on your workbench.
- 4 Measure and mark where the 10 screws will be used to fasten all pieces together, using the diagram at right for placement. Add a thin strip of wood glue between each section, realign pieces, clamp down securely and then fasten together using drywall screws. You now have the X-shaped base of the game.
- 5 **Sanding:** Round off each of the four arms of your base using a sander. Then clamp down each dowel and round off one edge of each piece, making it smooth.
- 6 Measure and mark for holes 1-1/2" in from the tip of each arm, and an additional hole centered where the arms come together. With a 3/4" forstner bit in the chuck, set the depth of your drill press to drill a maximum of 3/4 of the way down into the material. Then drill all five holes.
- 7 Paint and coat with polyurethane before assembling. After paint dries, glue dowels into place using wood glue.
- 8 Cut three 10" lengths of rope, using candle to fuse each end and prevent fraying.
- 9 Push each end of rope halfway through copper coupling, using construction adhesive to secure.

