

Woodpecker toy



duration: 15 - 45 minutes
age: from 7 years

Make a classic woodpecker toy

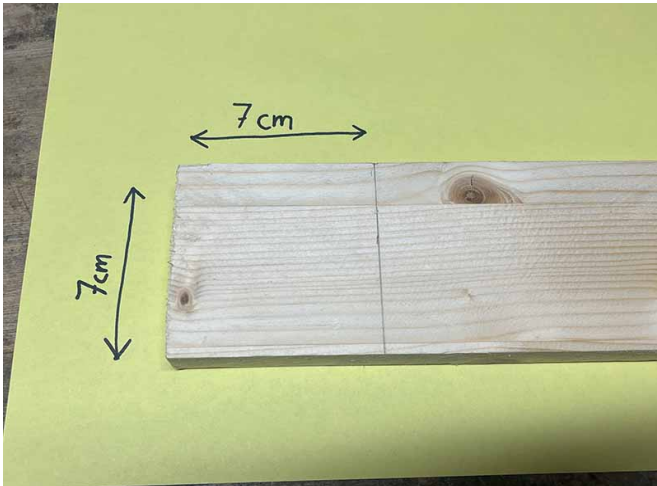
undefined

tools

- ☐ Drill
- ☐ Drill bits (one the width of the dowel, one slightly bigger)
- ☐ Lasercutter or coping saw
- ☐ gluegun
- ☐ Pencil sharpener
- ☐ Pencil

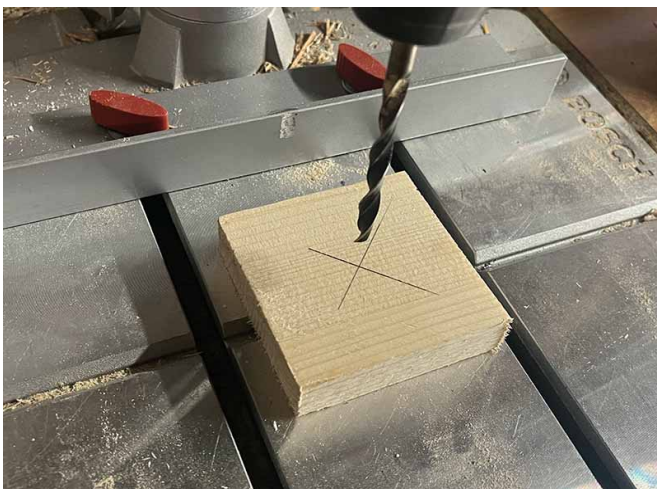
materials

- ☐ Wooden dowel 1/4"
 - ☐ thin plywood (1/8")
 - ☐ wood glue
 - ☐ glue gun
 - ☐ coil spring
 - ☐ thicker wood for the base (3/4" ply for example)
 - ☐ big wooden bead
-



1 Make the base

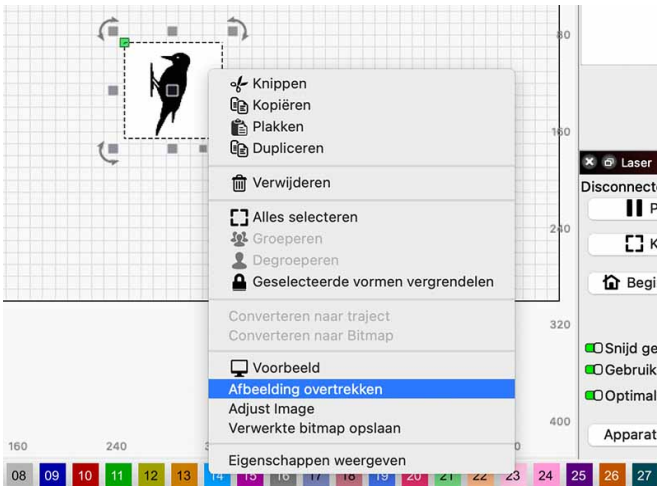
- Cut a piece of wood to form the base of your toy
- Determine the center by drawing lines from corner to corner.
- Drill a hole the same size as the dowel through the center of the base.





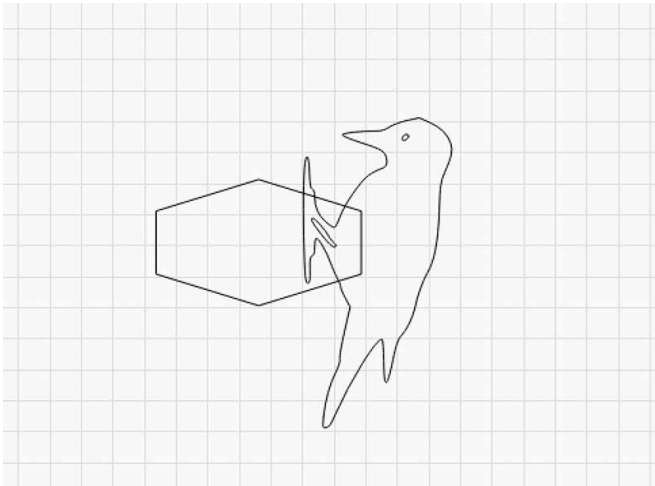
2 The dowel

- Cut the dowel to about 20" in length.
- Use the pencil sharoener to slightly taper one end of the dowel. A slight taper is enough.
- Use woodglue to glue the stick into the hole in the base.



3 The bird

- Find a silhouette of a woodpecker.
- Use the trace function in your lasercutter program (I use Lightburn) to trace the woodpecker.
- Scale it so it is about 4 inches tall.
- Edit the outline as shown in the photo so there is some room for the spring .
- Cut out your design with the lasercutter.



4 Assembly

- Drill out the hole in the wooden bead so that it is slightly bigger than the dowel.
- Use hot glue to attach the spring to the bead and the woodpecker.
- Once the glue cools down: test your woodpecker. You might need to stretch out the coil spring to get the best effect.

