Woodpecker toy

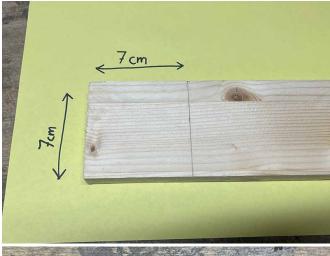


duration: 15 - 45 minutes age: from 7 years

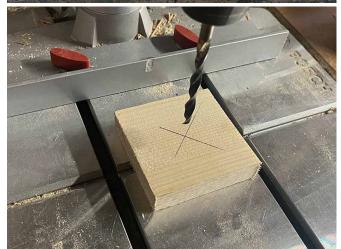
Make a classic woodpecker toy

undefined

tools	materials
☐ Drill	☐ Wooden dowel 1/4"
☐ Drill bits (one the width of the dowel, one slightly bigger ☐ thin plywood (1/8")	
☐ Lasercutter or coping saw	☐ wood glue
gluegun	☐ glue gun
☐ Pencil sharpener	☐ coil spring
☐ Pencil	☐ thicker wood for the base (3/4" ply for example)
	☐ big wooden bead







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 trough the center of the base.



The dowel

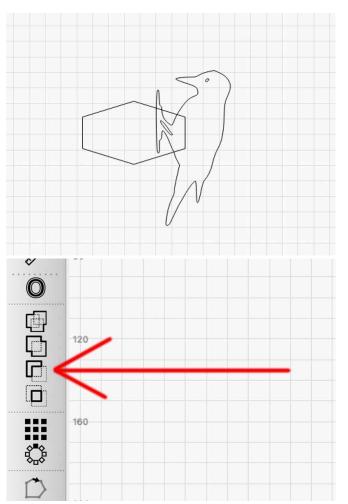
- Cut the dowel to about 20" in length.
- Use the pencil sharoener to slightly taper one end of the dowel. A slight taper is enough.
- Use woodglue to glue the stick into the hole in the base.



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.



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 coilspring to get the best effect.