

RYOBI NATION

Toboggan

by Homemade Modern

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Traditionally toboggans are made from a single piece of curved wood. I was interested in creating a modern twist on this simple sled by applying an aggressive angled geometry. This faceted sled made from 3/4" plywood and 2x4s is an affordable project that can bring hours of holiday fun.

PROJECT INFORMATION

Difficulty: Intermediate

Categories: Crafts & Decor, Recreation, Other

MATERIALS USED

2X4S

1 SHEET OF 4X8 PLYWOOD

2" SCREWS

2.5" SCREWS

HIGH GLOSS POLYURETHANE SPRAY

PROJECT STEPS

STEP: 1



Cut the 2x4s. Clamp the 2x4s firmly to a work table and then use the circular saw to cut along the lines. A laser guide really helps.

STEP: 2



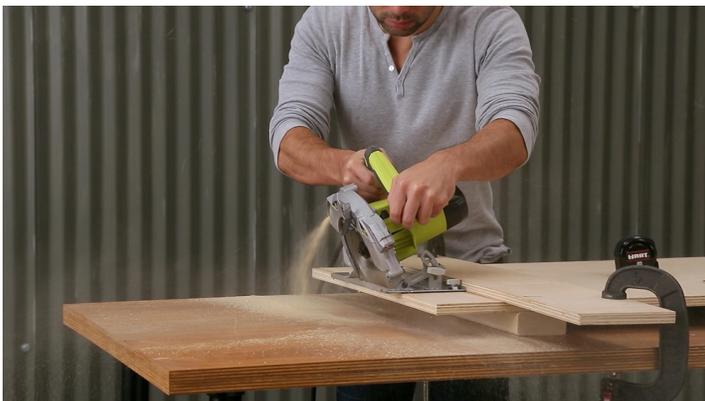
Sand the 2x4s. Sand the 2x4 pieces now. It is harder to sand them once you assemble the toboggan.

STEP: 3

****Exclusive Feature**:**

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Cut the plywood. Plywood typically comes in sheets 4 feet wide and 8 feet long. I recommend having the sheets cut into two 2'by8' pieces at home depot. This makes it easier to transport. If you do decide to do it yourself use a straight edge guide clamped down to the plywood to make sure this long rip cut is straight.

STEP: 4

Adjust then the angle of the circular saw blade. To make the angled panels of the sled I adjusted the angle of the circular saw blade to the angles shown in the diagram.

STEP: 5

Make the beveled cuts. Clamp down a straight edge so that your cuts across the plywood are straight.

STEP: 6

Mark the lines on the 2x4s. Measure and mark the 2x4s as shown in the diagram.

STEP: 7

Glue and screw. Use wood glue and 2" screws to fasten the plywood panels to the 2x4s. Clamp the plywood in place or get a friend to help you position the plywood panels while you screw them. Use 2 1/2" screws to connect the 2x4 pieces to each other. Make sure to drive the screws into the plywood until the heads of the screws are level with the surface of the plywood.

STEP: 8

Sand the toboggan. I used an orbital sander and 220 grit plywood to sand the toboggan.

STEP: 9



I painted the 2x4s a nice bright red and then finished the entire sled with 2 coats of polyurethane.

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