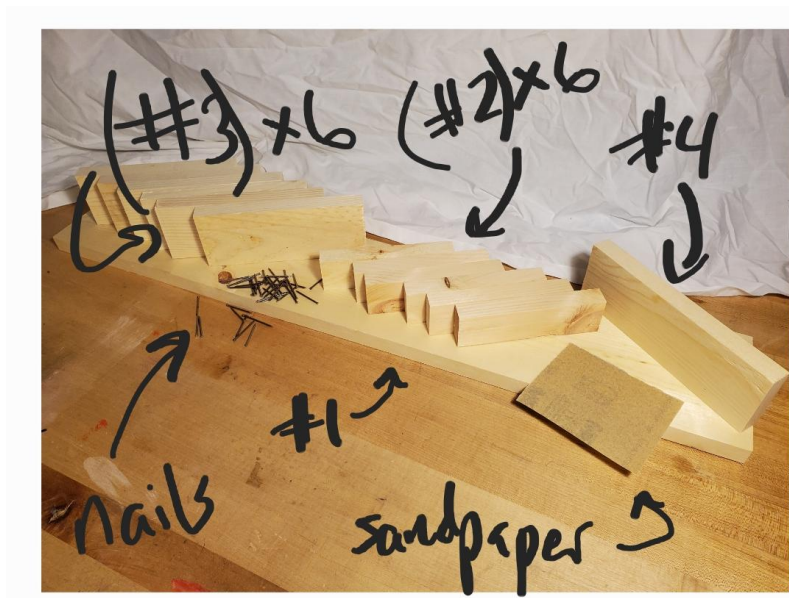


Derby Display Stand Instructions

Items

The display stand project consists of a bag of nails, sandpaper and the following wood pieces.

Part#	Quantity	Name	Size
#1	1	Back	2' 6" x 5 1/2"
#2	6	Car Holder	5 1/2" x 1 1/2"
#3	6	Shelf	7" x 2 1/2"
#4	1	Sign	8" x 2 1/2"

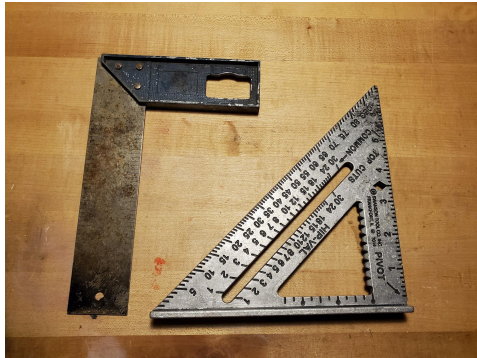


Your kit should also have come with many nails and a small piece of sandpaper. Most kits have two sized nails; 6 longer nails, and 18-20 of the smaller nails. (if you didn't get the long nails, the smaller nails will still work).



Here are the tools and gear you will need:

- 1) Safety Glasses/Goggles
- 2) Hammer
- 3) Ruler or tape measure
- 4) Pencil
- 5) Square (optional, but very useful)
- 6) Needle nose pliers (optional, helpful for holding the nail while the scouts try and hit it with a hammer)
- 7) wood glue (optional)



Instructions

Step 1 - Preparation

Make sure you have all the necessary parts.

Put on those safety glasses.

Optionally sand all wood pieces to avoid splinters and rough edges

Step 2 - Assembling the shelves:

Gather the shelf pieces, 6 each of part #2 and part #3.

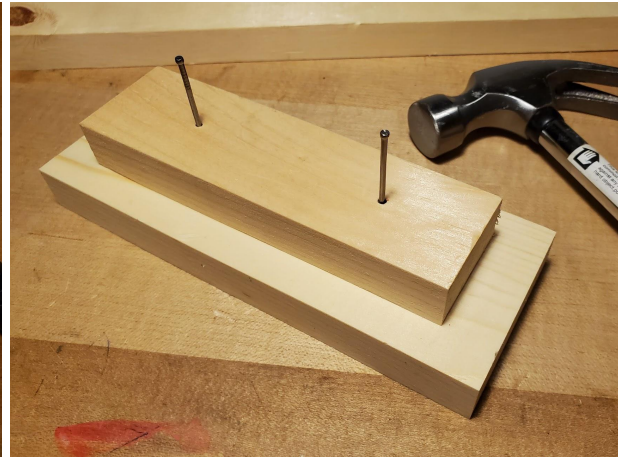
Pair up each part #2 to a part #3.

Lay the #3 part flat on the work surface (large surface down)

Place part #2, centered, on top of part #3.

Nail the two parts together. Take two small nails and, evenly spaced, nail through the top of part #2 into part #3.

Do this for all 6 pairs.



Each shelf will hold one pinewood derby car where the bottom of the car sits upon part #2.

Step 3 - Measure out shelf locations

Lay part #1 flat on your work surface and decide which end will be the bottom of the display stand

From the bottom, measure 4 ½" up along the long edge of part #1 and mark with the pencil.

From this mark, measure another 4 ½" up and make another mark.

Repeat until you have 5 marks on the long edge of part #1



If you have a square (or speed square), draw a perpendicular line from each of the 5 marks to the other edge of part #1

If not, again measure 4 ½" from the bottom on the other edge of the board, matching the 5 marks made on the first edge. Use the ruler to connect the marks across the board.

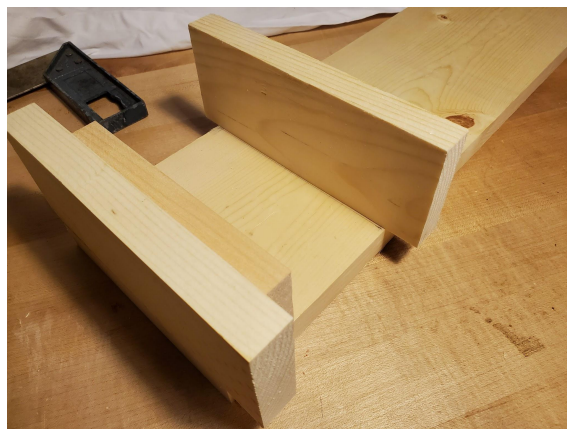
Each of these lines will be where the bottom of a shelf will line up, plus the bottom edge of the board.



Step 4 - Attaching the shelves

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For each shelf (part #2, attached), one of the long edges of part #3 will sit against the face of part #1. The bottom of the first shelf is lined up with the bottom of part #1. Each subsequent shelf is placed on the line you drew in the previous step.



Optional, put a small amount of glue along one of the long edges of part #3. Place on one location of part #1 as described above. Wait until the glue dries.

Attach each shelf to the back using 2 of the longer nails, or if you don't have those, use 3 or 4 of the shorter nails.



Evenly space the nails on the back side of part #1 such that the nails will be driven in to the shelf piece (part #3).



Step 5 - Attach the sign

Lay part #4 on the top of end of part #1 above the topmost self. Adjust as desired. Nail from the backside of part #1 into part #4, using about 3-4 nails evenly spaced.

Optionally paint and or decorate your creation.

It is now ready to hold your prized pinewood derby cars.

