

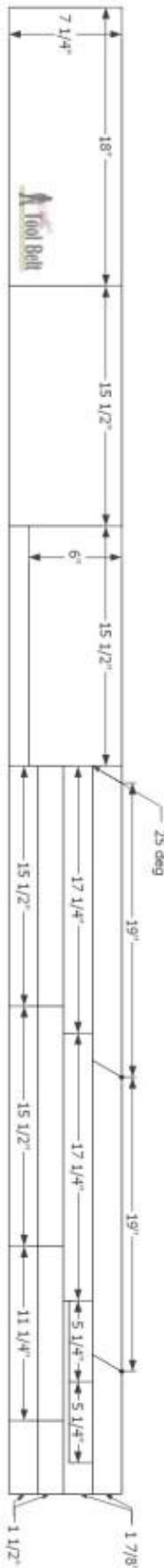
DIY Kid Step Stool



Materials

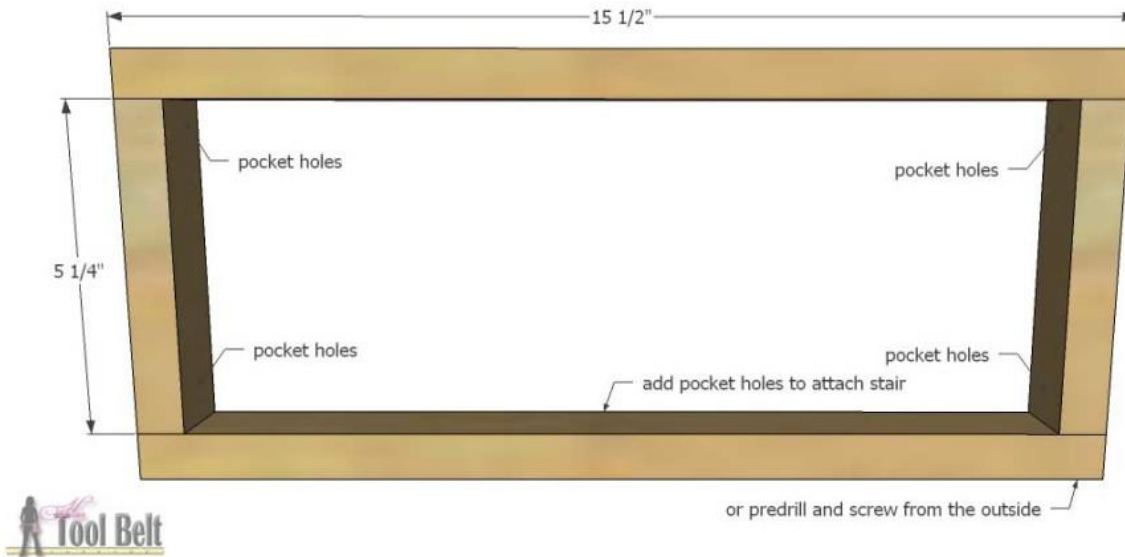
- 1" x 8" x 8' board
- 1 1/4" pocket screws ([Zinc Pocket-Hole Screws](#)) affiliate
- wood glue
- sand paper
 - Approximate wood cost - \$8.91

Cut Diagram

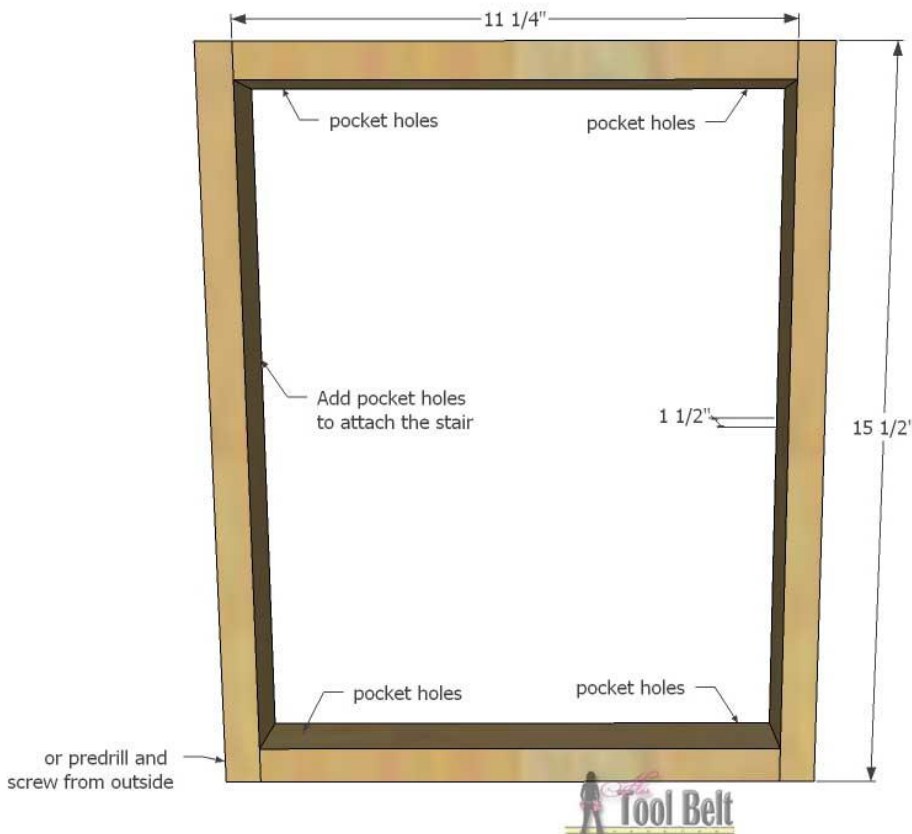


Cut the 18", 15 1/2" and 15 1/2" pieces from the board. Rip one of the 15 1/2" pieces to 6" wide. Rip the remaining part of the 1x8 into 4 strips, 2 @ 1 7/8" and 2 @ 1 1/2". Make the designated cuts according to the diagram. The 19" pieces have a 25 deg miter cut on both ends. The 5 1/4" pieces will need to be ripped to 1 1/2".

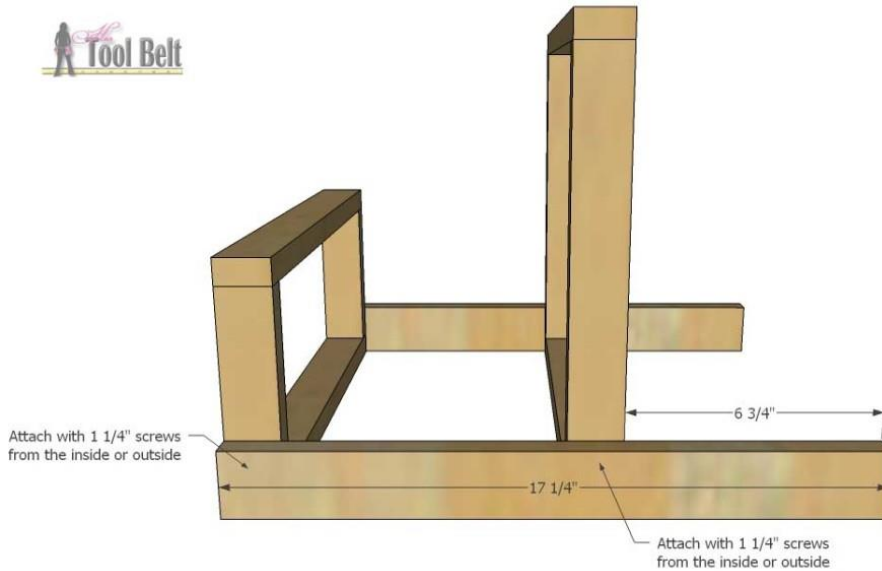
To assemble the stool, you can use pocket holes to hide your screws or have the screws showing. Drill pocket holes in both ends of the 5 1/4" pieces. Use wood glue and 1 1/4" screws to assemble the top stair support. Add pocket holes to attach the stair tread later.



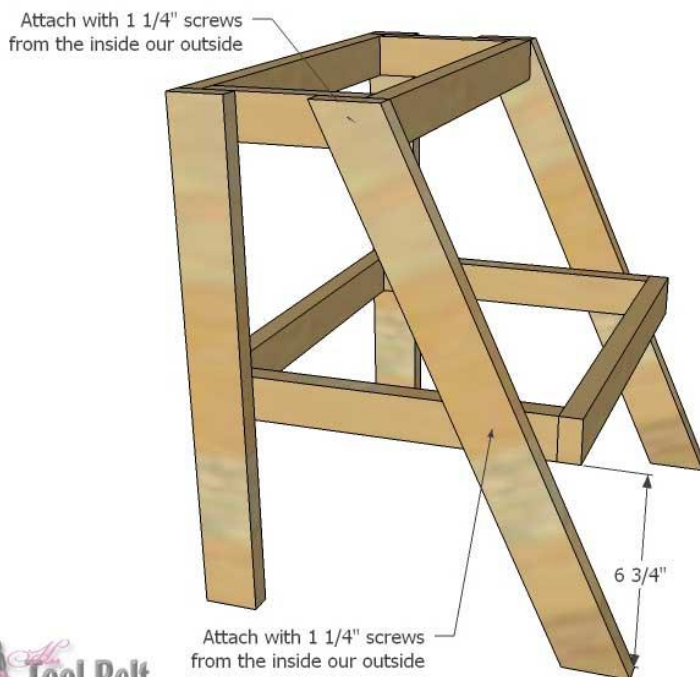
Drill pocket holes in both ends of the 11 1/4" pieces. Use wood glue and 1 1/4" screws to assemble the lower stair support. Add pocket holes to attach the stair tread later.



Mark 6 3/4" from the end of both 17 1/4" pieces. Line up the lower stair support with the 6 3/4" mark, secure with 1 1/4" screws. Make the top stair support flush with the top of the 17 1/4" pieces, secure with 1 1/4" screws.



Line up the 19" diagonal pieces with the outside corner of the top stair support, use a screw to secure. Place the stool on a flat surface, mark on the 19" diagonal pieces 6 3/4" from the bottom. Adjust the bottom stair support until it lines up with the marks, clamp into place then secure with screws. Add additional screws to the top support as needed.



For the lower stair tread, you can leave the part of it open or fill it in the whole way. I think both ways look nice. Leaving the back open makes it look more ladder like.



Secure the stair treads to the stool frame with either pocket screws or nail from the top into the frame. The top stair tread is flush on the back and hangs over 1/2" on the sides and front. The lower stair tread is flush on the back and sides and hangs over 1/2" in the front.

