



## KIDS BUILD A 4 TIER MULTI-PURPOSE SHELF

This is a surprisingly simple building project for kids ages 4+ with adult help and supervision. The final shelf will be sturdy and a great place to store boots, shoes, books etc.



### MATERIALS:

- **TWO BOARDS** that are 12 inches wide, 6 feet long and 1 inch thick from Home Depot. (\$15.97 each)  
Note: While the store will say it's 1 inch thick, the board actually measures  $\frac{3}{4}$ " thick.  
Also, while it says 12" wide. Sometimes it measures 11+" wide.
- Have an employee cut each 6 foot long board into 1 piece that is 38" long and 2 pieces that are 16" long. (You will have a small piece of wood leftover.)

38"	16"	16"	
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- A box of 1  $\frac{1}{2}$ " finishing nails (\$1.95 each)
- A light weight hammer (\$4.73 each)
- A hand drill and 2" screws (OPTIONAL)

### INSTRUCTIONS:

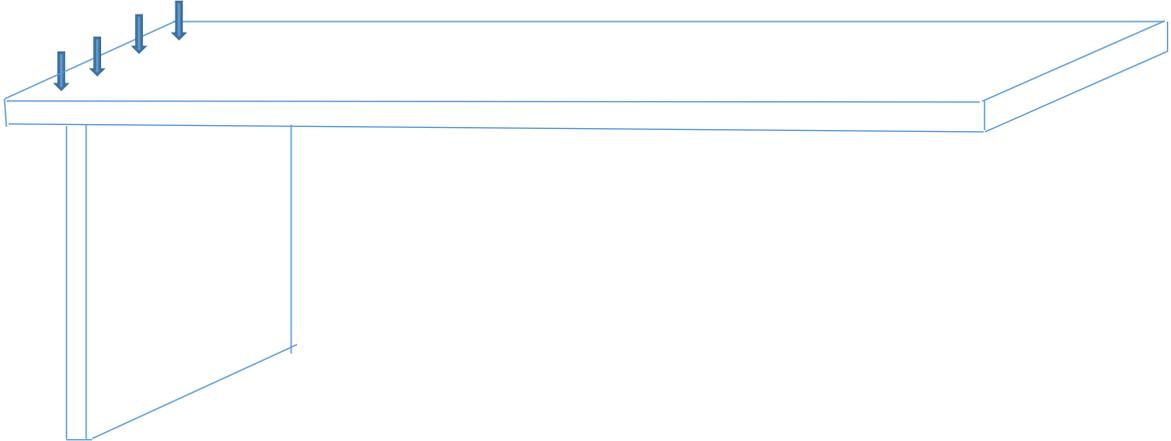
1. First, measure 1  $\frac{3}{4}$  inches from the bottom of the two long pieces. Mark it with a pencil on both sides of each board. This gives you a bit of space under the bottom shelf.

1  $\frac{3}{4}$  "



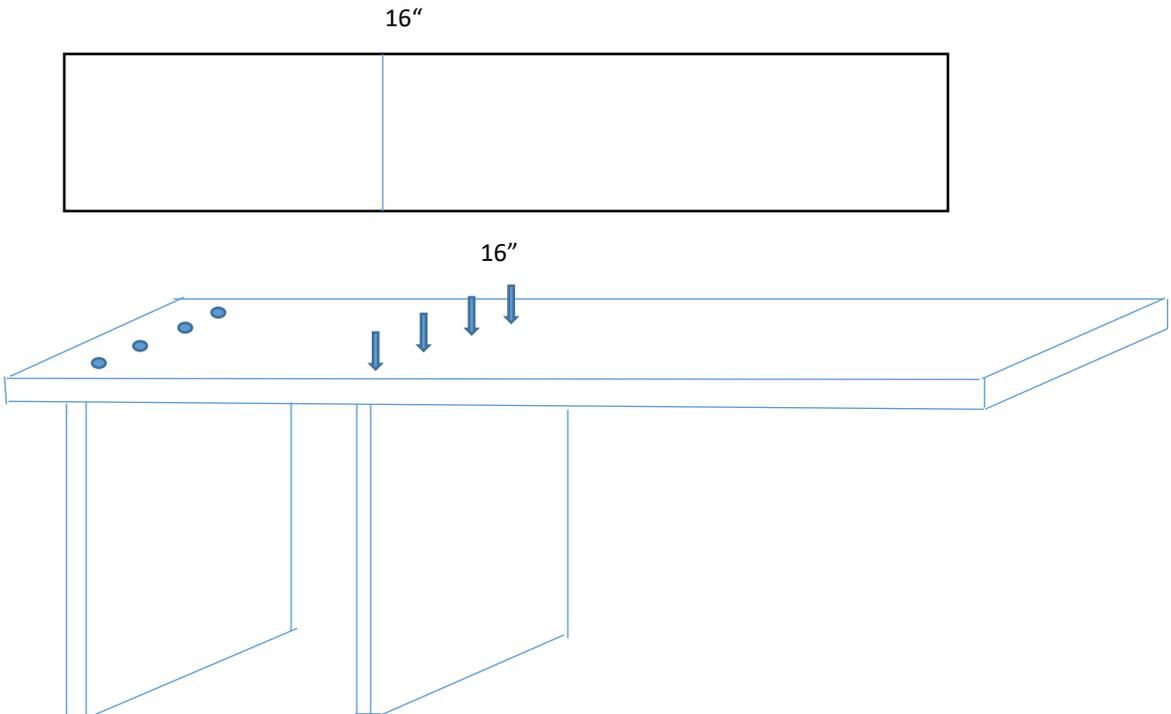


2. Second, line up one 16" piece of wood under the pencil markings that you made. You will need 2-3 people for this step. 1-2 people hold the wood, while the 2<sup>nd</sup> or 3<sup>rd</sup> person hammers in the first couple of nails. This attaches the bottom shelf.



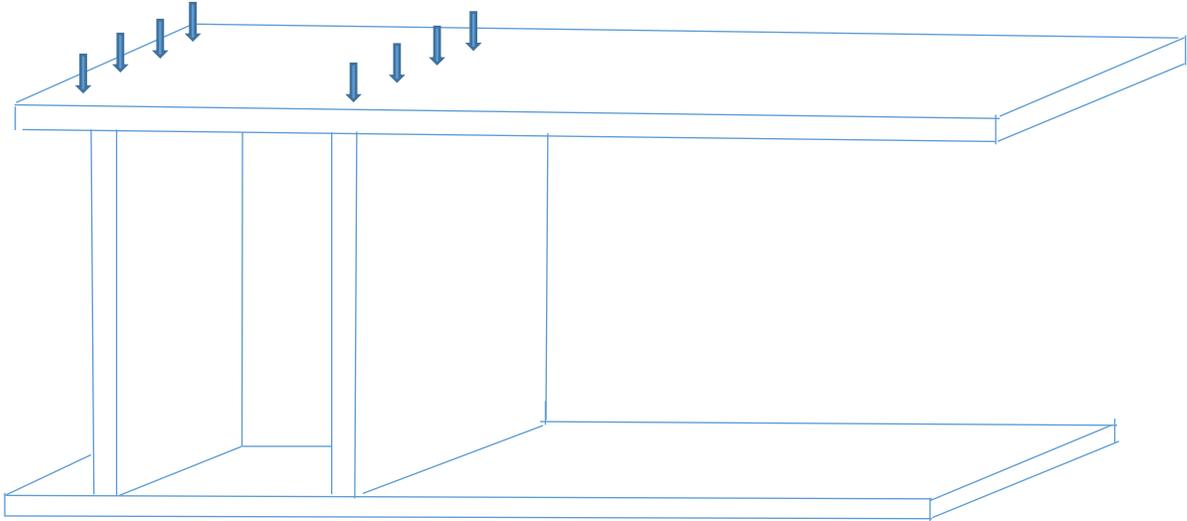
3. Third, measure 16" from the bottom of the long piece of wood and make a pencil mark.  
**NOTE:** I chose 16" because I wanted the bottom shelf to have more height space. You can follow my measurements for where to put the shelves or use your own measurements between shelves.)

Mark 16" on BOTH sides, the right and the left side of the long piece of wood. Then, line up the 2<sup>nd</sup> 16" piece of wood with the pencil marks on both sides. This forms the 2<sup>nd</sup> shelf. Hammer in a couple of nails on each side, then fill in the row with nails.



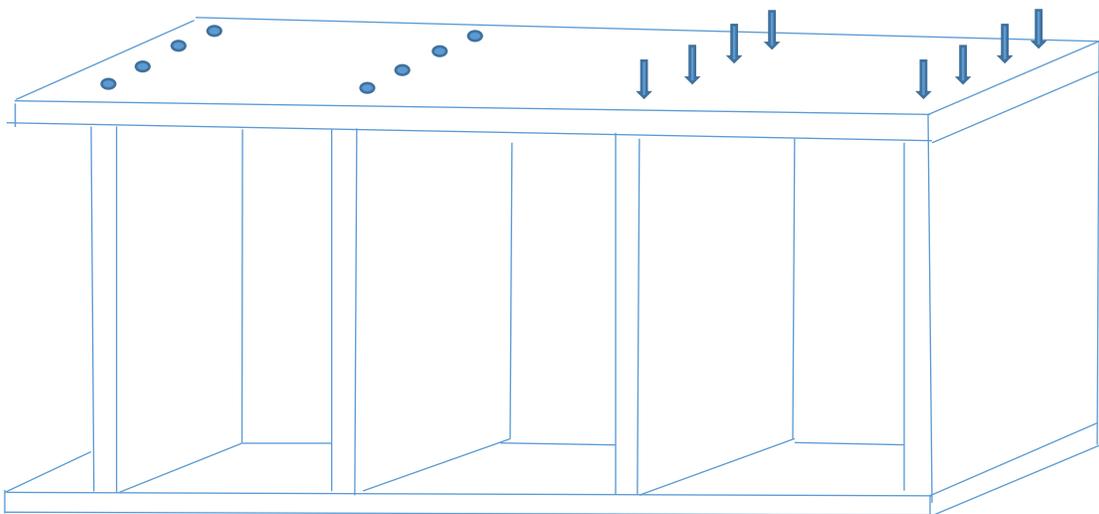
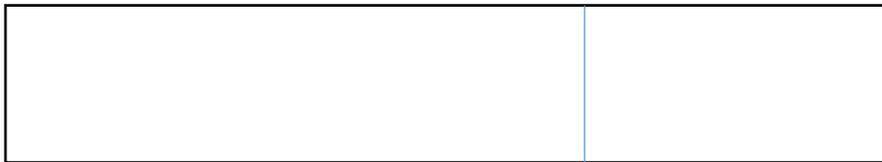


- Fourth, turn it over and line up the 2nd long piece of wood. Hammer in a row of nails over the bottom shelf (left side in image). Then, hammer in a row of nails over the 2nd shelf (right side in image). If you plan to use screws, leave some space to add screws later.



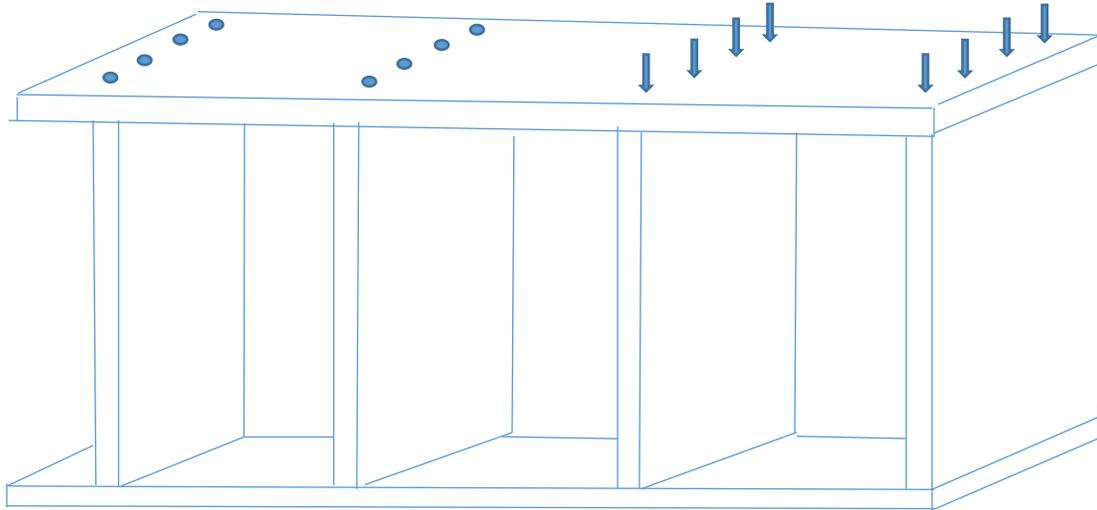
- Fifth, measure 26" from the bottom of the shelf (or use your own measurement). Line up the 3<sup>rd</sup> shelf. Hammer in a row of nails. Line up the top shelf. Hammer in a row of nails.

26"





- Sixth, turn the entire shelf over. Then, hammer in a row of nails over the third shelf and top shelf to secure the other side of those two shelves.



- Seventh, reinforce each shelf with more nails or screws. At this point, you've hammered in 8 rows of nails, two rows for each shelf. If you want to use screws, now is the time. Guide your children in finding gaps between the nails. Have them drill 3-4 screws for each row.



DONE! That completes the super simple 4 tier shelf.

