



Tree Bookshelf

Free Plans to build a tree-shaped bookshelf

PureBond.
FORMALDEHYDE-FREE TECHNOLOGY

Materials and Tools:

Estimated Cost:

- \$100-\$200

Finished Dimensions:

- 4' x 6'

Materials:

- 3M TEKK Eye Protection
- 3M TEKK Respiratory Protection
- 3M TEKK Hearing Protection
- Wood Glue
- Wood Filler
- Sanding Supplies: 3M Advanced Abrasives
- Finishing Supplies
- Anti-Tip Kit

Lumber:

- 4 (or more) sheets of 3/4" PureBond Plywood

Tools:

- Jig Saw
- Drill
- Sander
- Clamps
- Safety Gear

Cut List:

- 4 - Cut to desired shape for template



General Instructions:

Please read through the entire plan and all comments before beginning this project. It is also advisable to review the Getting Started Section. Take all necessary precautions to build safely and smartly. Work on a clean level surface, free of imperfections or debris. Always use straight boards. Check for square after each step. Always predrill holes before attaching with screws. Use glue with finish nails for a stronger hold. Wipe excess glue off bare wood for stained projects, as dried glue will not take stain. Be safe, have fun, and ask for help if you need it. Good luck!





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Step #1



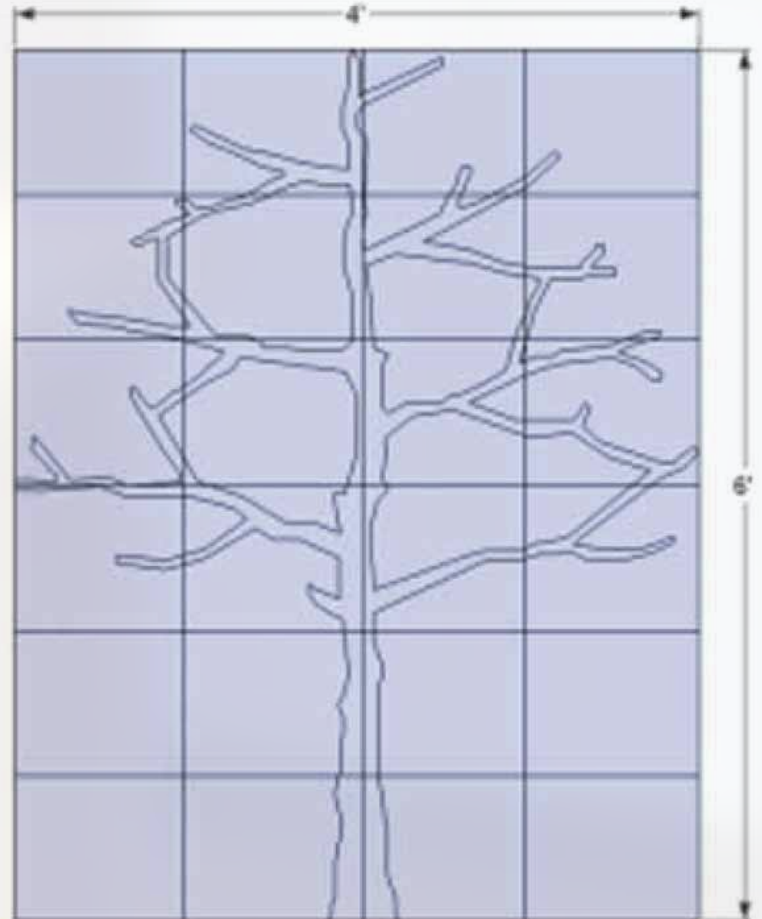
Sketch your tree shape onto a sheet of plywood. The easiest way to do this is to use a projector and project the image in full size onto your plywood. If a projector is not something you happen to own, there is another method of transferring you can use.

Print the image in 8x10 format.

Divide your image into a grid as you see in the diagram for this step. You will need 4 equal squares for the width of the tree (sized at 2" each) and 6 equal squares for the height of the tree (sized at 1.67" or 1 2/3" each).

Create this same grid on your sheet of plywood with an overall size of 4'x6' and each square measuring at 12"x12".

Sketch the image onto plywood, one square at a time. This is much easier than attempting to free hand the image and will result in a more accurate depiction. If you need to mark up the squares themselves (to mark off and note midpoints etc) to help you along, that is perfectly fabulous.



Step #2



Once you have your image sketched out, use your jig saw to cut out your tree. Please watch the video for complete instructions and details along with tips and tricks for completing this project!

Video:

http://www.youtube.com/watch?v=yMT4Kz8nC6s&feature=player_embedded

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Step by step video tutorial
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Step #3



Use your first tree shape to trace your shape onto the remaining sheets of plywood and cut out exactly as you did the first.



Step #4



Once your trees are all cut out, glue them together by placing glue between each layer and clamping along the outside edges. Allow your glue to set up for about 30 minutes. Sand and Finish as desired.

Preparation Instructions:

Fill all holes with wood filler and let dry. Apply additional coats of wood filler as needed. When wood filler is completely dry, sand the project in the direction of the wood grain with 120 grit sandpaper. Vacuum sanded project to remove sanding residue. Remove all sanding residue on work surfaces as well. Wipe project clean with damp cloth. It is always recommended to apply a test coat on a hidden area or scrap piece to ensure color evenness and adhesion. Use primer or wood conditioner as needed.



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