

TAKE AND MAKE KITS

DIY Storage Shelf



Supplies

The supplies included in this kit are:

- Plywood pieces (5) and brackets (8)
- Wood glue 20ml
- Electrical brush
- Large rubber bands (5)
- Glass jars (3)

The supplies you may need to provide are:

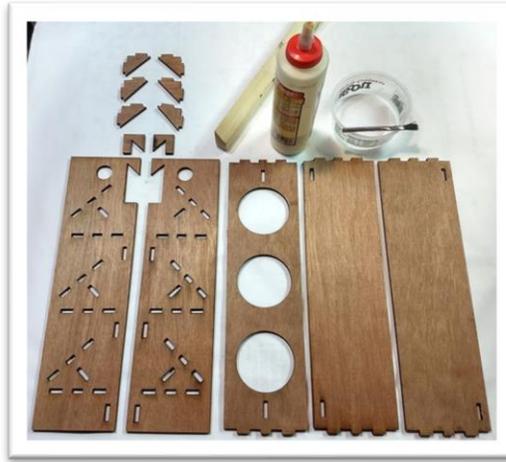
- Piece of cardboard, newspaper, or waxed paper (to protect table when making shelf)

Instructions

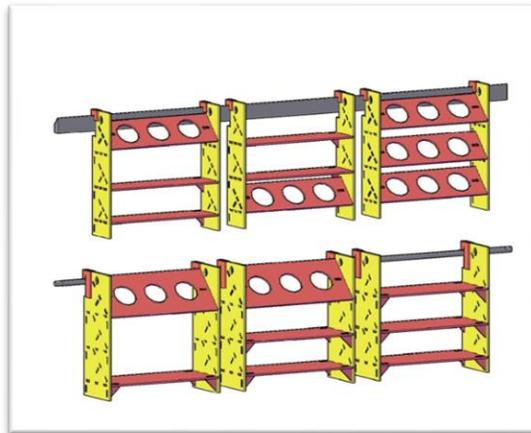
Building the shelf

These hanging shelves can be set up in many arrangements (slanted and level, with holes and without), move easily on French cleats and can stand alone on any flat surface.

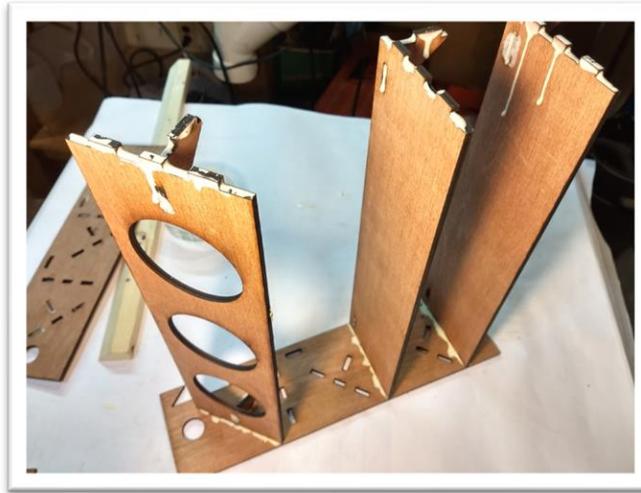
1. Materials and Tools to Make the Shelves: separate all the pieces and get everything together.



2. Trial Assembly Before You Glue Is Worth the Time. For this particular project the part with the holes should be on top.



3. Assembling this on a smooth, non-porous surface helps, as glue will leak though the slots during assembly and might stick to the surface beneath the parts. Putting wax paper down first helps. Most wood glues clean up easily with a damp rag, so keep one nearby.
4. Lay out the side panels (with the pointed hook at the top) and the shelves as you want them to be assembled.
5. Add glue on all the shelf and bracket tabs and on the edge of each shelf between the tabs.
6. Turn the shelves over (right side up, see the photo on the next page) to keep the glue from sticking the shelf to your assembly table top. The shelves will sit or lean on the braces. Now add glue to the inside face of the first side panel, using the brush or a finger. Remember that as you apply the glue, the hook at the top will be at the rear of the side panel.



7. With the brackets in place, press each shelf firmly into the first side panel where you want them to go. Adjust them to fit completely into their slots. They will hold themselves in place. Don't forget the brackets.
8. Place the second side panel on the table with the inside face up. Make sure that you have the panel placed so that when it is lifted and flipped over so the hooks at the top will match the hooks on the other side panel.
9. Set It Upright and Give It a Squeeze. Once the whole assembly is fit together, hold it together by pressing in on the side panels and carefully tip it upright onto the flat, bottom edges of the side panels. Check all the slots and make sure each shelf tab is fully inserted. Check the bracket tabs, too. Then give it a firm squeeze by pressing in on both side panels with your hands. It will sit up straight right away.
10. Before you start wiping up the excess glue, put light duty elastic cords (or string, or wood clamps or big rubber bands or... almost anything to keep it together for a short while) near the middle of the side panels or where the shelf slots are. A little pressure is all you need while the glue dries.
11. Now is the time to give the intersections a quick wipe with a brush or your fingertip, forcing glue into the gaps and wiping away the excess. Clean up the excess glue with that damp rag, but don't wipe it all away. A little extra glue helps make it strong.
12. Add the Hanging Hook Reinforcing Pieces (Optional)

For full instructions and other options about the shelf follow the link: <https://www.instructables.com/Laser-Cut-Shelf-With-a-French-Cleat/>

What next?

If you're interested in learning more about woodworking, try one of these eBooks, available from the library through Hoopla:

- Woodworking <https://www.hoopladigital.com/title/14006342>
- Woodworking FAQ <https://www.hoopladigital.com/title/11689365>
- Basic Woodworking <https://www.hoopladigital.com/title/14319527>
- Carpentry Made Simple <https://www.hoopladigital.com/title/12198158>
- The Everything Woodworking Book <https://www.hoopladigital.com/title/12630133>