

Kid's Toy Shelf

by Adam Henley - thepowertoolwebsite.com



This toy shelf / book case is made from 3/4" plywood with veneered edge banding. Dados, rabbets, and pocket screw joinery is used. Cabinet grade or hardwood plywood works best. Use polyurethane for a long-lasting durable finish.

Kids Toy Shelf

TOOLS & JIGS

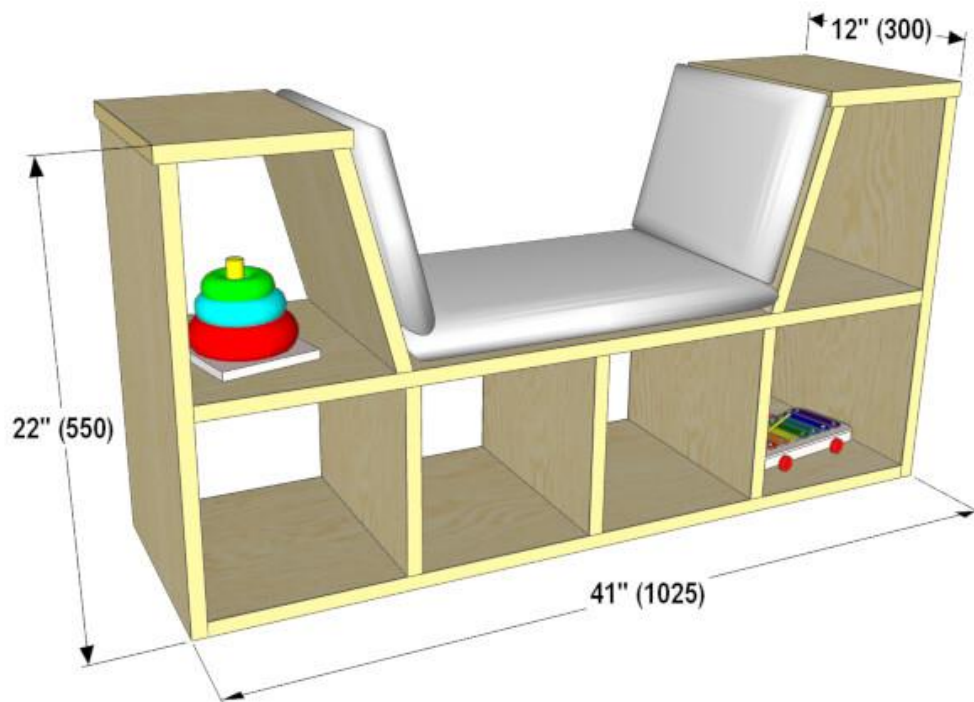
- Table Saw
- Sliding Miter Saw or crosscut sled
- Pocket Hole Jig
- Drill
- Brad nailer (optional)

HARDWARE & MATERIAL

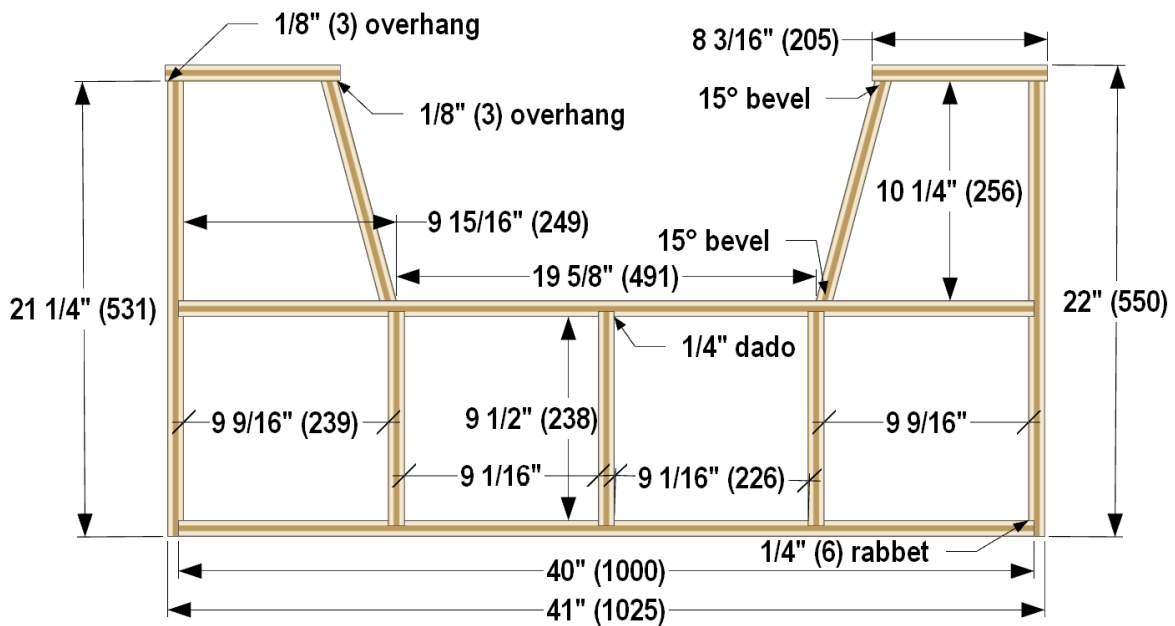
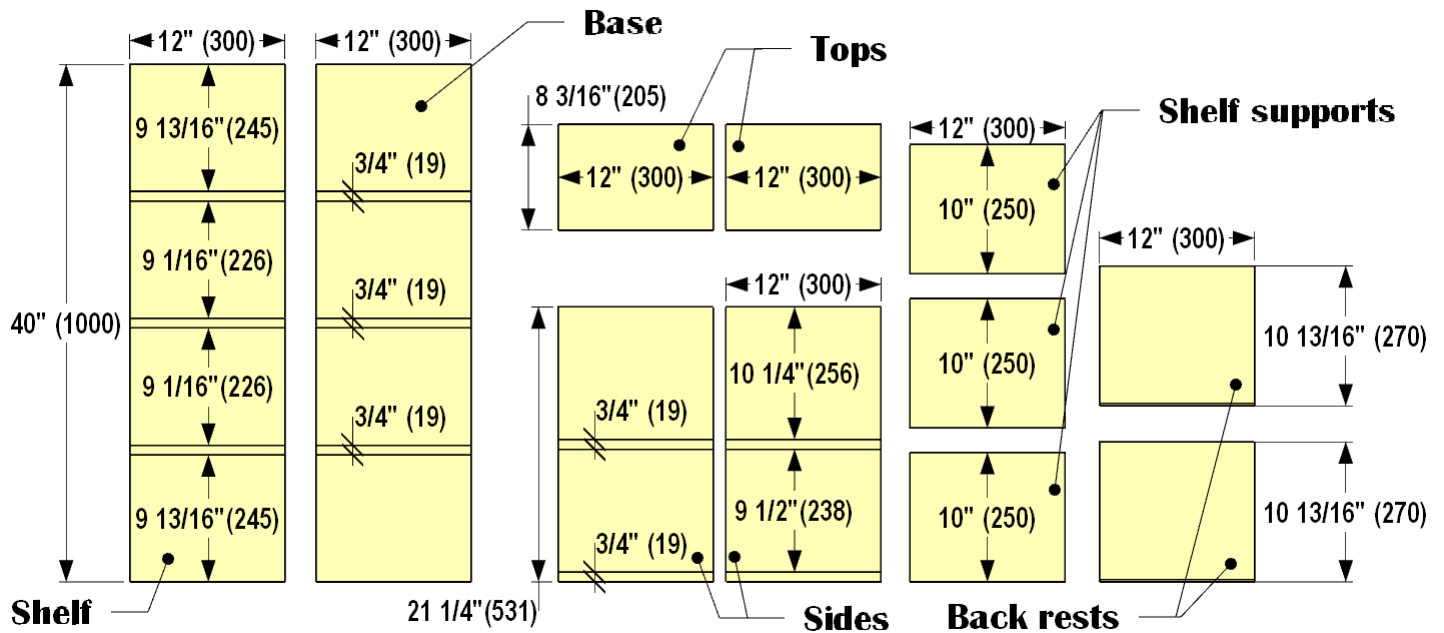
- 1-1/4" (32mm) pocket screws as needed
- 1-1/2" brad nails (optional)
- PVA Wood glue as needed
- 3/4" (19mm) veneer edge banding
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- 3/4" (19mm) Plywood

CUTTING LIST

Part	Material	Qty.	Imperial		Metric	
			Length(L)	Width(W)	Length(L)	Width(W)
A. Base	3/4" Plywood	1	40"	12"	1000	300
B. Shelf	3/4" Plywood	1	40"	12"	1000	300
C. Side	3/4" Plywood	2	21-1/4"	12"	531	300
D. Shelf Support	3/4" Plywood	3	10"	12"	250	300
E. Back Rest	3/4" Plywood	2	10-13/16"	12"	270	300
F. Top	3/4" Plywood	2	8-3/16"	12"	205	300

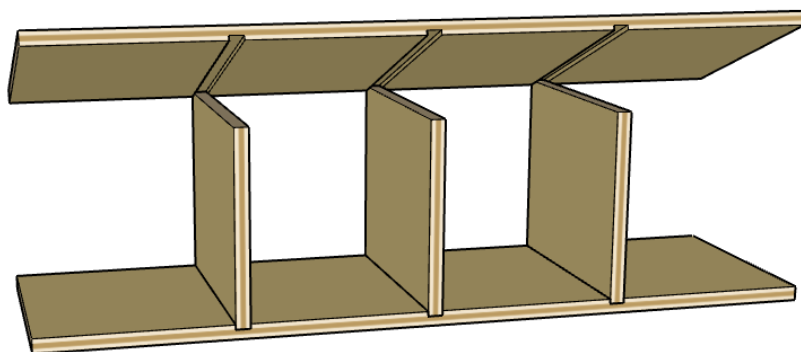


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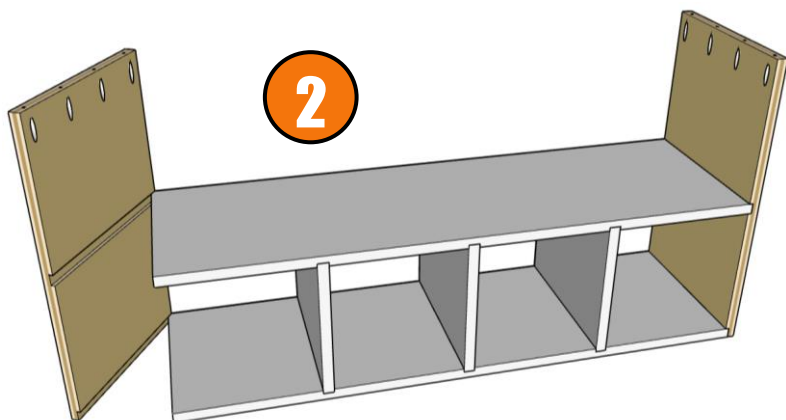


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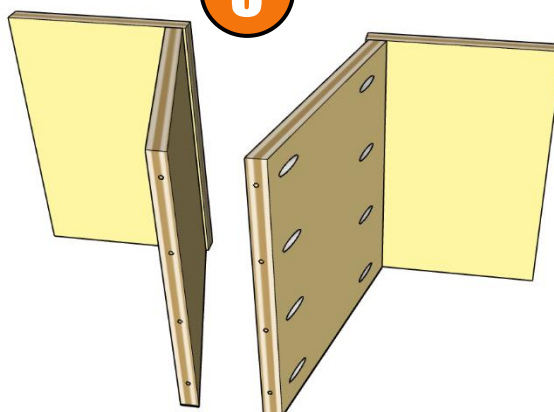
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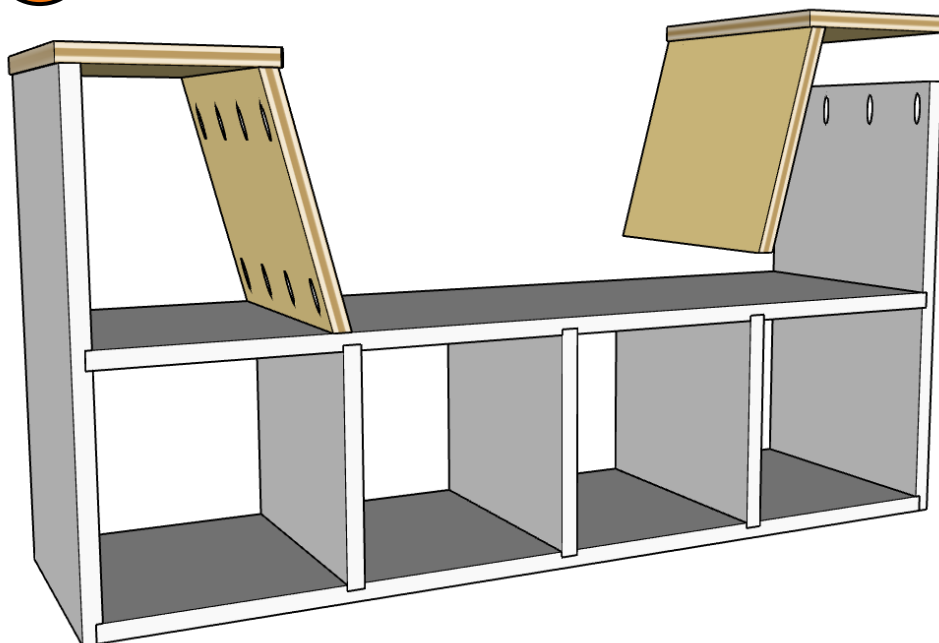


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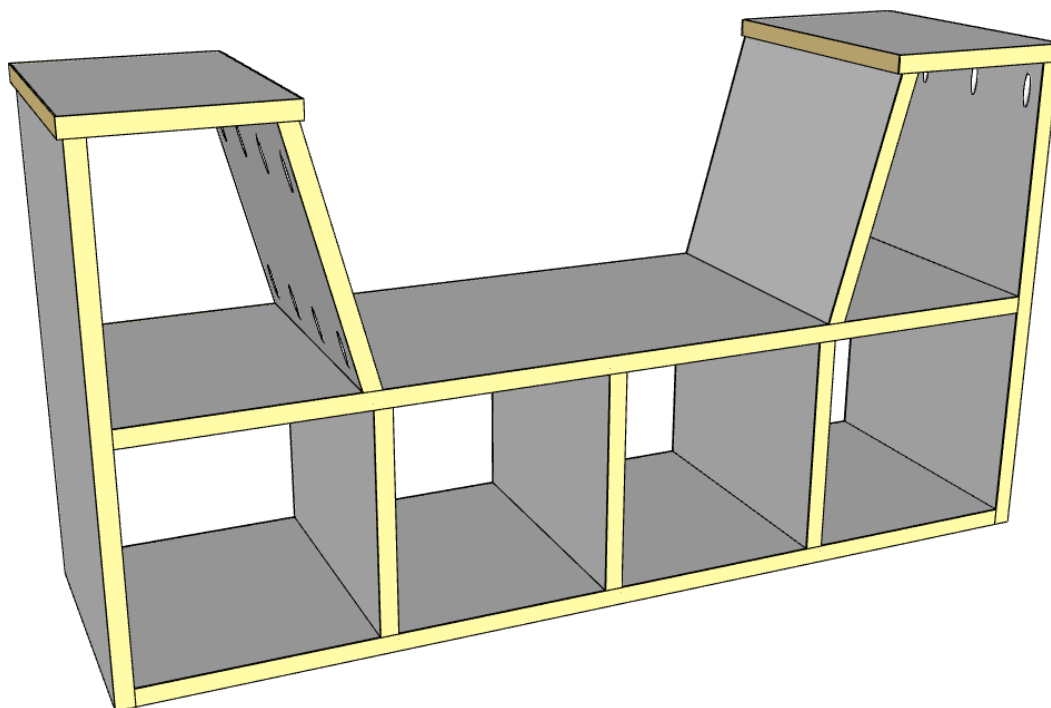


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Directions

1. Cut 3/4" (19mm) dados in the base and the shelf, 1/4" deep. Glue the shelf supports, base, and shelf together as shown.

Optional - reinforce dado/glue joints with brad nails. See Appendix A below.

2. Drill pocket holes, and cut 3/4" (19mm) dados and rabbets (1/4" (6mm) deep) in each side piece as shown here. Glue each side to the edges of the base and shelf.

Optional - reinforce dado/glue joints with brad nails. See Appendix A below.

3. Drill pocket holes in the Back Rest pieces as shown, and then attach each back rest to a Top Piece. Use glue and pocket screws.

Optional - fill pocket holes with pocket hole plugs and sand smooth.

4. Attach the assembly from step 3 to the shelf and sides. Use glue and pocket screws. A small battery drill works best here.

Optional - fill pocket holes with plugs and sand smooth.

5. Apply your veneer edge banding around the exposed edges of all your plywood.

APPENDIX A

Reinforcing Dado Joints with Brad Nails

Using a brad nailer, insert 1-1/2" brads into the face of the work piece at the angle shown here. (This does not replace the glue, it reinforces it)

