

Cubey 1

Kit Inventory

- Top, Bottom, Left, Right, Front and Back Panels (these have rectangular openings in them)
- Top, Bottom, Left, Right, Front and Back Sliders
- Four (4) Outer Panel A
- Left Outer Panel
- Right Outer Panel
- Left 1, Left 2 and Left 3
- Right 1, Right 2 and Right 3
- Bottom Inner Panel
- Top Inner Panel
- Back Inner Panel
- Front Inner Panel
- Top Stop Bar
- Bag of Black (.280") alignment pegs (12+)

Other Items Needed

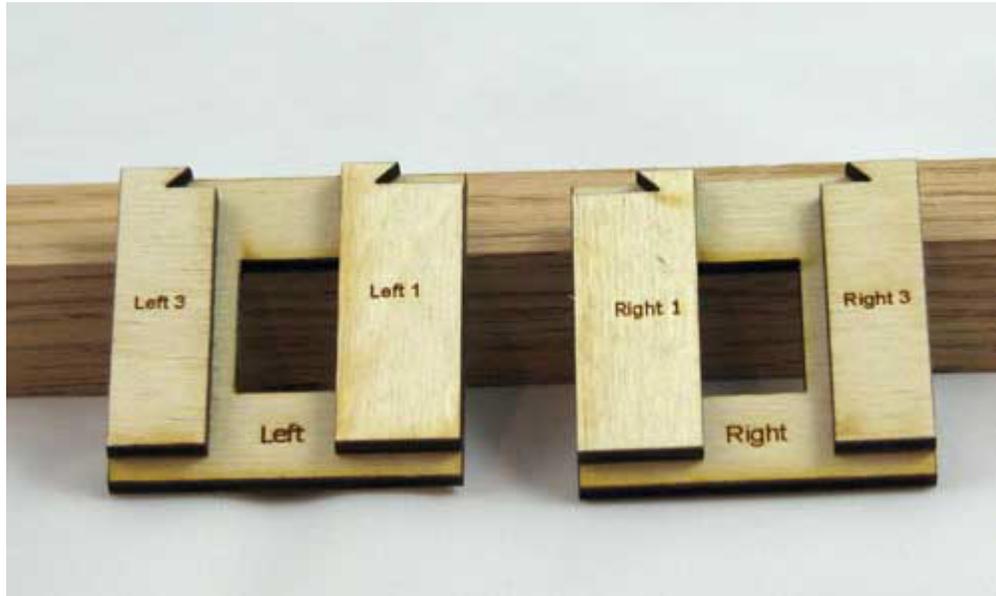
- Glue – I use a “craft” type tacky glue such as “Aleenes Tacky Glue” which can be found at craft stores like Michael’s.
- Sandpaper - to smooth any rough edges and make parts slide easier.
- Wax/paraffin – also to make parts slide better.

Notes:

1. The Cubey 1 kit is assembled with all the writing on the pieces facing inwards.

Assemble Left and Right Panels

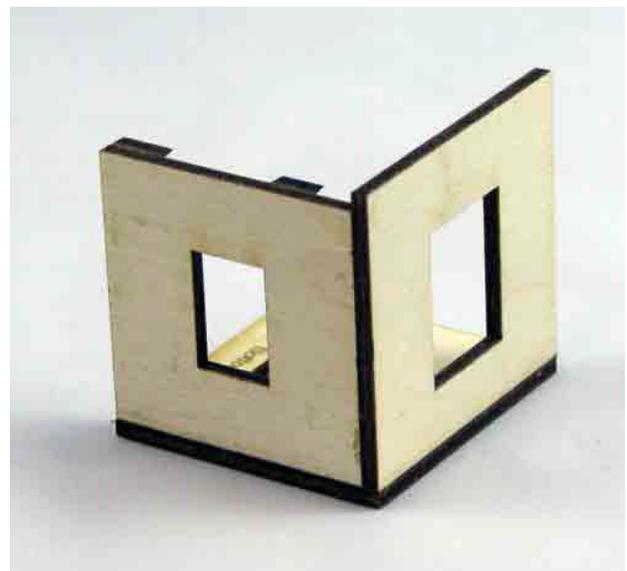
Take the left 1 and left 3 pieces and glue them to the left panel as shown in Bruce's plans. Repeat this for the right panel. The picture below shows how this should look.



The pieces should be flush/even with the top of the panel and the side of the panel. After these are dry test the fit of the left/right 2 pieces between the 1 & 3 pieces. It should slide freely. If not, use sandpaper to lightly sand the edges until it moves easily.

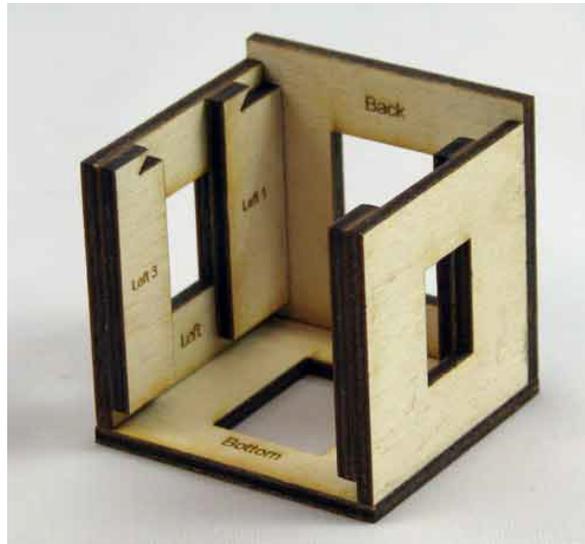
Assemble Cube (Step 1)

Follow the pictures below and glue the back panel on top of the bottom panel and then glue the right panel to both of those panels.

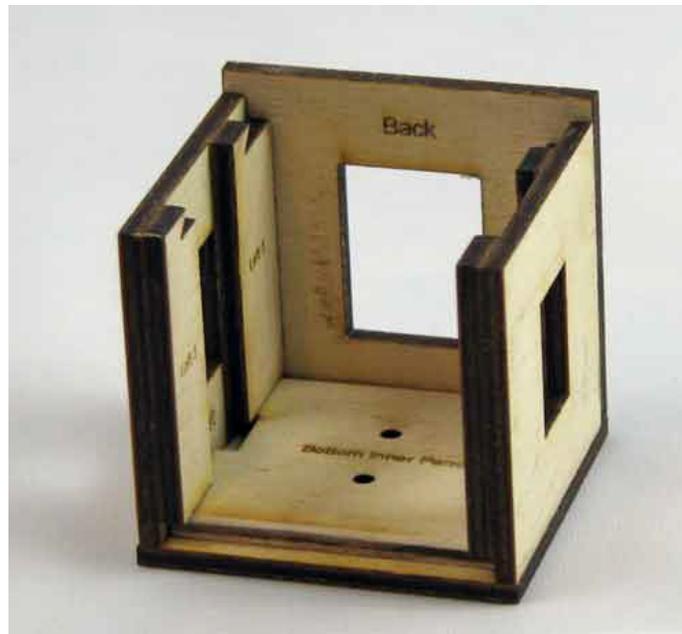


Now glue the left panel to this assembly. Use the bottom inner panel and the back panel as spacers for positioning the left panel, but remove them quickly otherwise they will get glues in place (you could put some

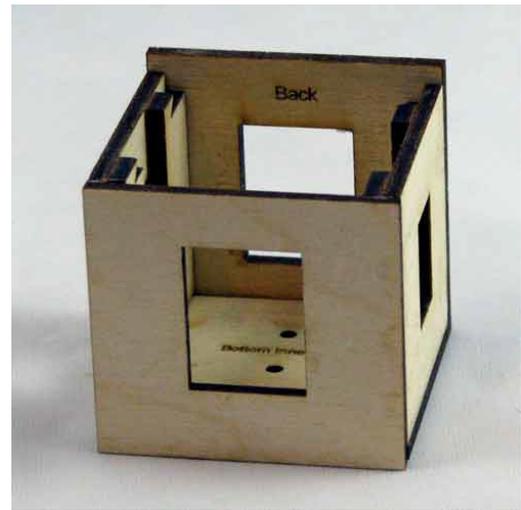
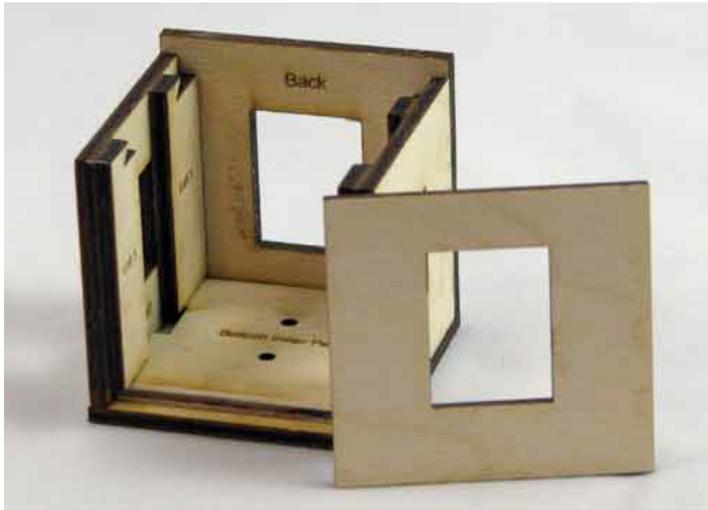
wax on the edges of the inner panel to help them from getting stuck). Make sure you clean out any glue from the corners before it dries.



After the glue dries, slide the inner bottom panel into place. If this piece does not slide freely, work it back and forth or slightly sand the edges until it does. Sanding the sides that slide against each other and waxing them makes pieces move better. Sanding a slight bevel around the bottom edge of the inner panel also helps.



Next, insert the bottom panel as shown and glue the front panel to the box. Be very careful about putting too much glue along the bottom as it is difficult to clean up any glue that squeezes out on the inside of that edge.



Apply Finish

If you are going to put a finish on the box now is the time to do that. You can sand the outside of the box and then apply finish. You can also stain/finish the outer panels. Make sure when you put finish on the box that the bottom inner panel is still free to move and does not get “glued” by the finish.

Assemble Sliders

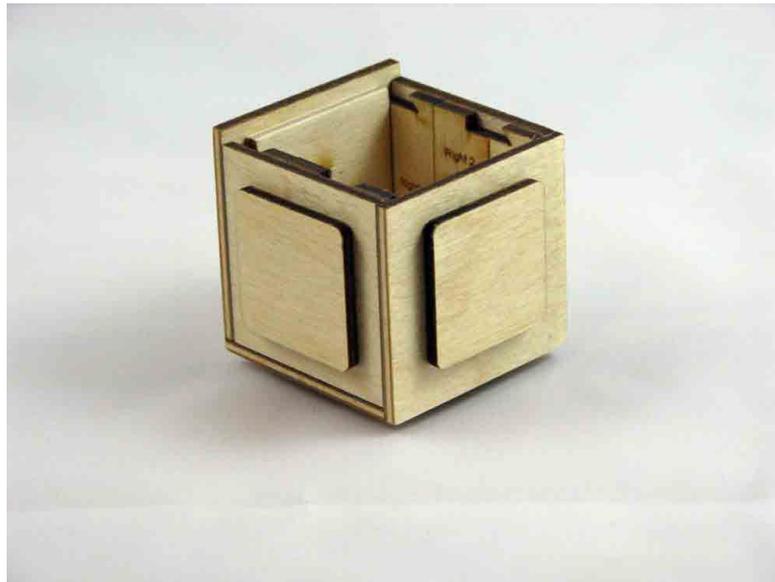
Test fit the slider pieces in the openings of the box. Work them back and forth until they move freely and if needed, lightly sand the edges. Use the alignment pegs and push them through the writing side of the inner panels until they are flush. Put glue on the writing side of the sliders and push them onto the appropriate inner panel piece. In the picture below you see these assemblies with the side that will be facing outward from the box. The slider for the bottom panel is glued to the inner bottom already inside the box.



Place the front, left, back and right side slider assemblies into the box and make sure they still slide freely. You may need to bevel the edges of the inner sliders where they pass next to another inner slider to get them to move smoothly.

Attach outer Panels

After you have checked that all the sliders are working correctly, put glue on the sliders and attach the outer panels. The panels are oriented with the writing on the outer panel in the same orientation as the writing on the inner panel.



The top panel assembly needs to have a stop bar attached to the front side of the panel. This is shown in the picture below.

After the stop bar has been added your puzzle box is complete.

