



Makery Profile: 3D Printed Dollhouse Furniture

Custom decorate your kid's dollhouse using the Makery's 3D printer. Print furniture, fixtures, appliances, decor and more, no 3D design experience required! For this tutorial, we made a dresser with working drawers! (Note: You can use this tutorial to 3D print anything from Thingiverse.com in the Makery.)

Materials You Need to Bring

- Nothing! The 3D printers use a filament provided by the Library.
- There is a 10¢ per gram charge (minimum \$1) for 3D printed items.

1. **Find:** Visit thingiverse.com and search for "dollhouse furniture dresser." Click on the result for "Megan's Dresser"
2. **Prep:** Click the blue button [Download All Files] and files to your computer. Unzip the downloaded file by double-clicking the icon (Mac) or by right-clicking and selecting "Extract All" (PC).
3. **Send:** Visit elmlib.org/3d and click on [request a 3d print]. Fill out the form, which requires you to fill out these fields:
 - Name
 - Email
 - EPL card number
 - Filament color: options are white, warm gray, cool gray, black, green, yellow, orange, blue, purple, red.

Pro tip: You can paint your 3D print!

 - Object dimensions: You can specify all dimensions (HxWxD) or just one side. We gave 50mm for the height in this field.
 - Attach file: Click [chose file] and pick the unzipped file (must be: .stl, .obj, .maker, or .thing) from step 2.
 - Additional info: Don't know the exact dimensions? Don't care what color it is? Let us know!

Click [Send] and you'll receive an email confirming we got your file.

4. **Pick up:** Printing is done by Library staff and is attended to on a first come, first served basis. We send an email once the print job is complete, and you can pick up and pay for your print at the checkout desk on the first floor. A print may take up to a week to complete.

Want to see our finished piece? Check out the Makery during open hours elmlib.org/hours

Details to know:

Cost is 10¢ per gram with a one dollar minimum (our dresser cost \$6.50)

8-hour print limit

Maximum size: 25.2 L x 19.9 W x 15.0 H cm

