

MAKERY PROJECT: 3D Printed Succulent Pot

TIME: 15 minutes
(does not include print time)

SKILL: Beginner

Custom decorate your house using the Makery's 3D printer. No 3D design experience is required. Did we mention you get to chose the color?

Note: Children younger than middle school must be directly supervised by an adult.

COST FOR 3D PRINTING
10¢ per gram, \$1 minimum



Bulbasaur (Printable with No Infill)
by user mike_new

Low Poly Planter - Wide Top
by user OmNomNomagon

Materials You Need to Bring



NOTHING!

Equipment Provided in the Makery



3D PRINTER



PLA FILAMENT

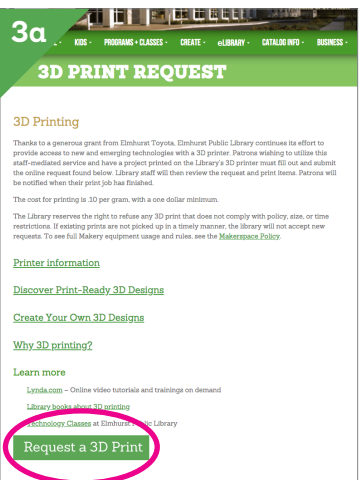
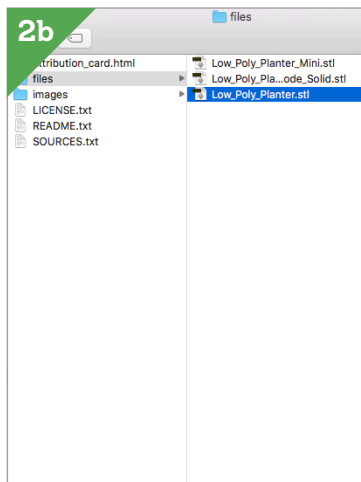
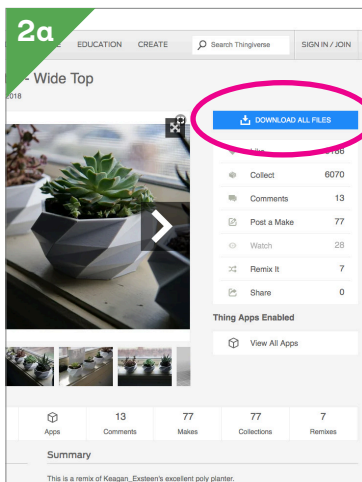
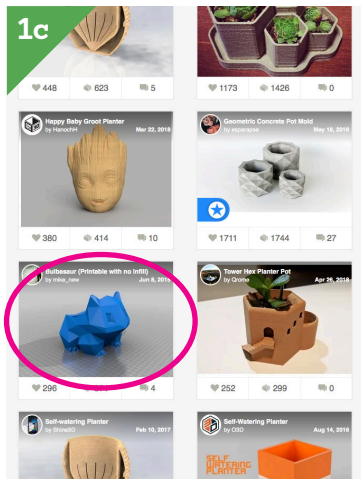
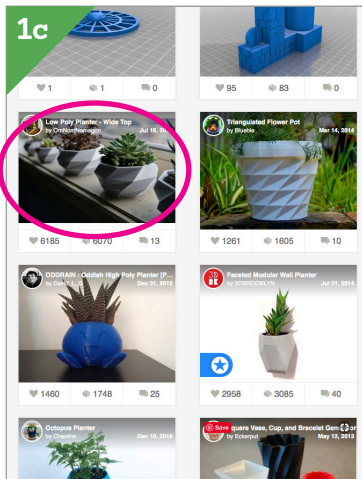
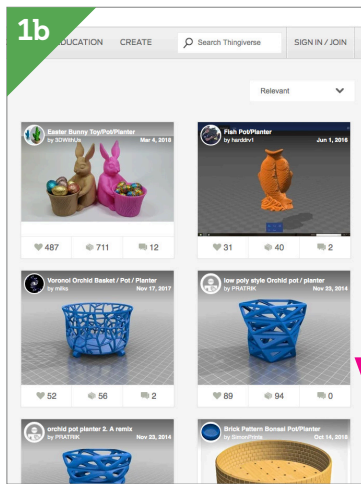
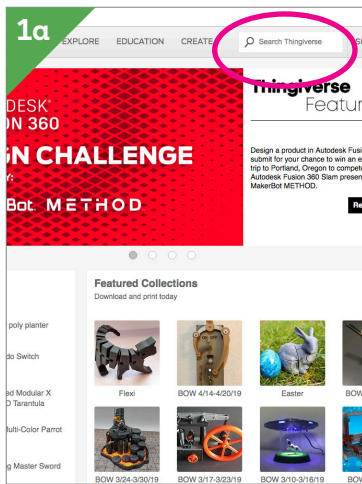
TIPS: You can use this tutorial to 3D print anything from Thingiverse.com in the Makery. Just substitute your own search terms in place of "pot planter" in step 1.

You can paint your 3D print!

8-hour print limit

Maximum print size:

25.2 L x 19.9 W x 15.0 H centimeters
(9.92 L x 7.83 W x 5.9 H inches)



1 FIND:

- Visit thingiverse.com and search for “pot planter.”
- Scroll to find a design you like. Click on the result you would like to print.
- If you want to print the exact pots pictured, use the title on the photo found on the reverse for your search.

2 PREP:

- Click the blue button [Download All Files] and save the file to your computer. Unzip the downloaded file by double-clicking the icon (Mac) or by right-clicking and selecting “Extract All” (PC).
- There may be multiple files in your download—choose one that ends in:
 - .stl
 - .obj
 - .maker
 - .thing.

3 SEND:

- In a browser window, go to elmlib.org/3d and click on [Request a 3d Print].
- Fill out the form fields:
 - Name
 - Email
 - EPL card number
 - Filament color
 - white
 - black
 - green
 - warm gray
 - cool gray
 - blue
 - yellow
 - purple
 - red
 - orange
 - Object dimensions: You can specify all dimensions (HxWxD) or just one side. We used 2 inches for the height of these planters.
 - Attach file: Click [Choose File] and pick the unzipped file (must be: .stl, .obj, .maker, or .thing) from step 2.
 - Additional info: Don't know the exact dimensions? Want it to be about the size of an easily referenced item (e.g. a coffee cup)? 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.