

- Before you start, please visit the Children's Desk.
- Make customized objects!
- The cost of printing is 0.25¢ per 0.1 oz.
- Your item will be weighed after being printed.
- Orders can be picked up at the Children's Desk.
- Appointments are suggested.



Don't forget to check out the other FUN stuff you can make at Studio M!

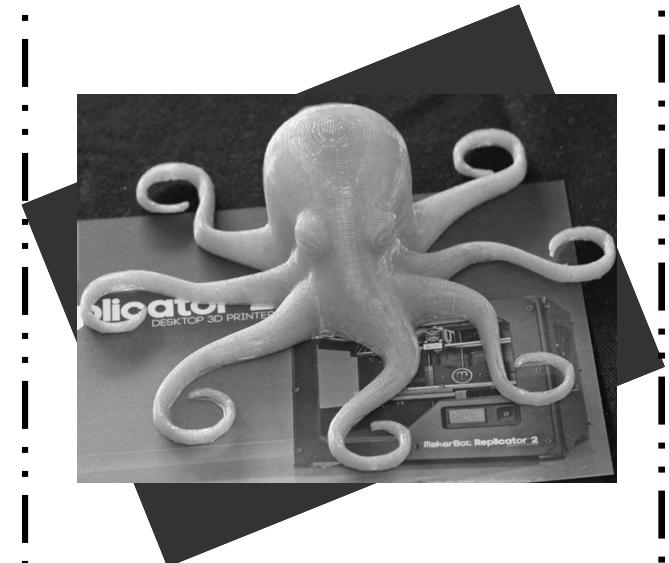


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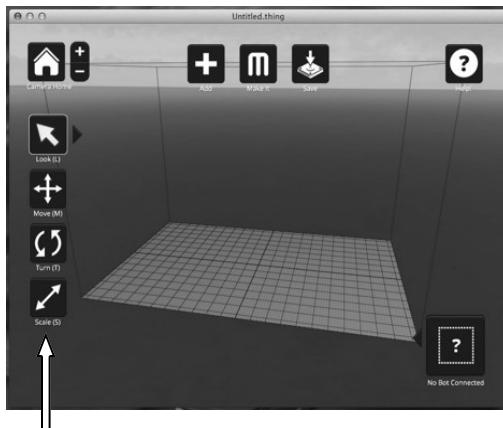


How to Use the 3-D Printer



Printing from Thingiverse

1. Go to thingiverse.com and search for desired object.
2. Download your 'thing' as an .stl file, and double click it to automatically open in Makerware.
3. Customize your object's size by using the 'Scale' option.
- 4. Make an appointment to have a Library Staff member assist you in printing your object. Your object can be saved as an .stl file on your flash or SD drive.**



Scale Option

MakerBot Thingiverse

Converting a 2D to 3D

1. Find desired image by using Google or uploading a file. The thicker the lines of the drawing, the better it will transfer!
2. Open OmNomNom and drag image into OmNomNom's window.
3. Export as Logo. Then, name file and export to flash drive. SCAD will open automatically.
4. Go to Design and select CGAL (Complete and Render). Be patient this will take a minute or two!
5. Go to Design and Export as an .stl file. Name this file and export it to your SD card.

From here, there are two choices

1. If you choose to print the object as is (i.e. with a plate on the back of the design) open the file with Makerware, and follow Steps 3 & 4 from "Printing from Thingiverse."
2. If you want to remove the background plate:
 - Open NetFabb
 - Open .stl file
 - Execute cut on x,y,or z axis
 - Select remaining cut and export as new .stl file
 - Open new file in Makerware, and follow Steps 3 & 4 from "Printing from Thingiverse."



Printing a Self-made Object



MakerWare

1. Export object as either an .stl or .obj file. (.stl files will automatically open in Makerware. For an .obj file, first open Makerware, then click 'add.' Select your file and place on platform.)
2. Customize your object's size by using the 'Scale' option.
3. Click 'Make It' and export file to SD drive.
- 4. Make an appointment to have a Library Staff member assist you in printing your object.**

Make It Button *for printing*

