3D Printing with Cura on Lulzbot Mini

3D printing is fun and easy! In our MCDS Makerspace, we have four Lulzbot Mini 3D printers. Below are step-by-step instructions for using the printers. It is important also to make sure the filament (plastic roll) is free of a clog in the nozzle. Be sure to heat up the element and check the head of the filament each time for best results.

3D MODEL LIBRARIES
Thingiverse
Grabcad
Sketchfab
Autodesk 123d
My Mini Factory
XYZprinting 3D Gallery
Yobi3D
YouMagine
STL Finder
3DExport
Zortrax Library
3DShook
Rascomras
Threeding
Repables
Libre3D
3Dagogo
Shapetizer
The Forge
Redpah
Trinpy
Polar Cloud
3D Warehouse
STLHive
NASA
NIH 3D Print Exchange
Instructables

1. Create your 3D design or download it from a source at the left.

2. Have your model ready on a flash drive, or accessible from a web source, like your Google Drive.

3. Log onto one of the laptops connected to the 3D printers. If none are connected, just grab any from the cart in the room. They all have the CURA program installed on them.

4. Open Cura and "Load" your model onto the platform. Your model needs to fit within a 6 x 6 x 6 inch work envelope. If it needs to be resized, click on the model,

5. Switch to Full Settings

6. Check the Basic and Advanced tab settings. These are the settings for the Hatchbox 1.75 PLA.

BASIC: ADVANCED:

Easy 3D Printing!
3D printing can be intimidating if you're new to it, but it's easier than you may think. This class gives you the basic skills you need to print your own designs using Tinkercad - a fun, browser-based 3D modeling program that you can learn in no time!

7. Print and watch to make sure the print is seemingly successful.