


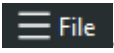
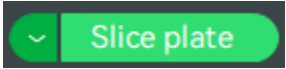
How to 3D Print

The Longmont Public Library utilizes the Bambu Studio software for splicing. This document will give a brief overview of the 3D printing process. Longmont Library Lab staff are available to help.


1) Deciding what to Print

- a) The easiest way to start printing is to find a 3D model on websites like printables.com or thingiverse.com.
- b) The next way to obtain a 3D model is to create one yourself using tools like tinkercad.com.
- c) It is important to note that the 3D model you choose or that you create must be able to fit within your reservation window up to 5 hours.

2) Preparing the Print for the printer

- a) Open the Bambu Studio Software: 
- b) Click  File and choose to Import your model:
- c) Adjust any settings:
 - i) Your print time can be shortened by reducing the size, but this can fuse moving parts and limit details.
 - ii) For models with overhangs greater than 45 degrees, enable supports.
 - iii) For models with moving parts, disable brim.
- d) When you've finished with the settings and are ready to slice your model, hit .

3) Export the Plate and Print

- a) When your reservation is available you may collect the SD card from staff. Otherwise, you will need to save your .gcode file to a safe location until your reservation is ready.
- b) After the model has been sliced make sure to  and select the SD card.
- c) Place the SD card into the Printer. Tap on the Printer screen to wake up the printer > Select the folder containing the files > Select your Print Job > Choose the appropriate filament > Print.
- d) *** before hitting print, you will be presented with the option of choosing your filament. The printer is equipped with 4 PLA colors. You may choose between these 4 colors.