

Lulzbot Taz 6 Certification



Student:

Trainer:

Date:

Version: 0.1.0 - 2020-11-03

Certification for:

Training Check-Off List:

Tool Anatomy

- Parts of the 3D Printer are properly identified
 - User Interface
 - Power Supply & On/Off
 - SD Card Slot
 - USB Port
 - Belts
 - Stepper Motors
 - Lead Screws
 - Hotend
 - Nozzle
 - Cooling fan
 - Heat sink fan
 - Filament Drive Gear
 - Print Bed
 - Filament

Pre-Operation

- Load and Unload filament
 - Ensure correct type and amount of filament loaded
- Confirm that the nozzle and bed are clean
- Check if there is enough time to complete the print

Models and Slicing

- Prepare a basic model for printing using Cura for LulzBot, and export the file for printing
 - Have you checked to see if your model is error free?
 - Did you start with default settings? If not why not?
 - Does your model have a flat surface to place on the platform?
 - Did you place your model flat on the platform?
 - Does your model need support material?
 - If you need support, did you select Touching Build Plate or Everywhere?
 - Do you want a raft, brim or skirt?
 - Are you printing "all at once" or "one at a time"?
 - Are you slicing for the right machine?
 - Did you slice for the right nozzle diameter?
 - Did you specify the layer height appropriately?
 - Did you specify the wall thickness and line count?

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- Did you specify an appropriate infill density?
- Did you name your G-code file to associate your model with you?

Operation

- Upload a .stl file to a printer
- Start a print, pause a print, and stop a print
 - From Cura, built-in UI, and Octoprint
- Recognize irregular/incorrect operation
 - Pressing too hard
 - Model not adhering to bed (spaghetti monster)
- Quickly and safely halt operation and shut down the printer (in case of emergency)
 - From Cura, built-in UI, and Octoprint

Post-Operation

- Safely remove a print from the print bed
- Report errors/needs for repair
- Proper filament storage
- Weighing and paying for CMS filament

Pass/Fail:

Comments:

Student Signature: **Date**

Certifier Signature: **Date**



Certifier: Please scan this QR Code to email info@claremontmakerspace.org, and include a list of students who have passed this test.

Then, return this form to the front desk (even if the student failed!).