

How to 3D print with the Library's Digital Media Experience Lab

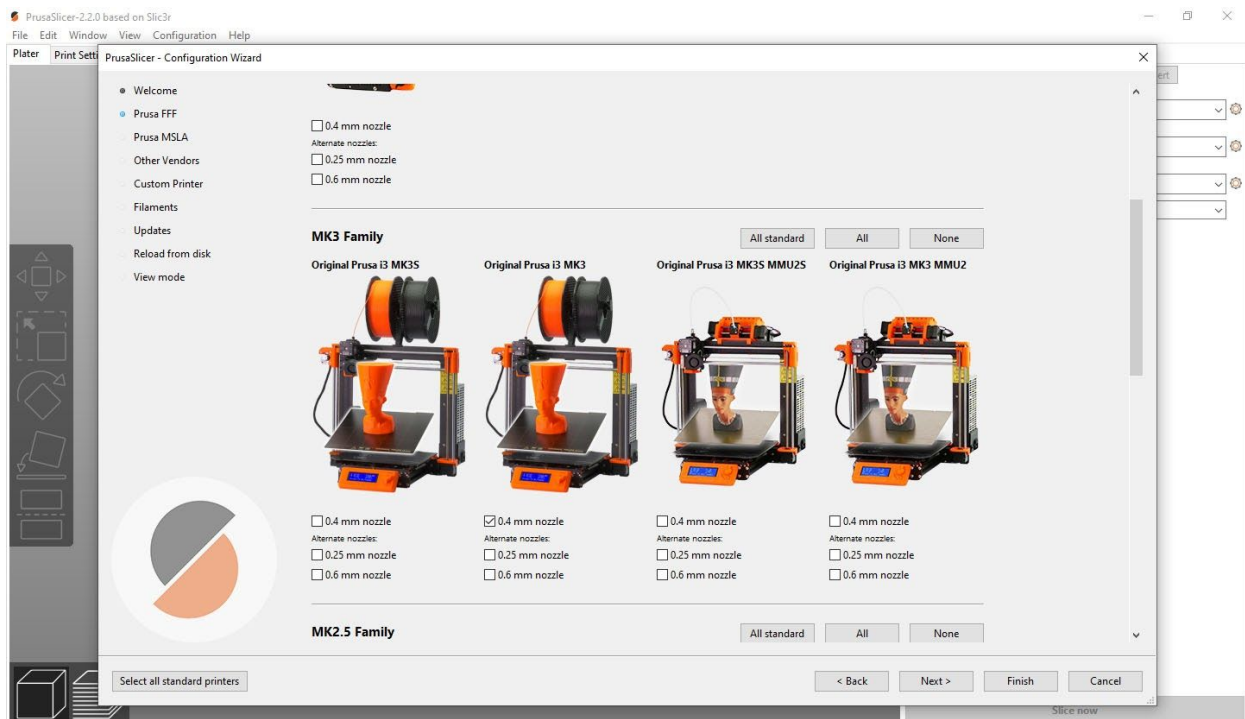
The DME lab's curbside printing program uses Prusa Slicer to slice and prepare prints for 3D printing. This document outlines the steps you must take before submitting a print.

1. Install Prusa Slicer

- Download Prusa Slicer: <https://www.prusa3d.com/prusaslicer/>
- Double-click .exe file and follow onscreen instructions to install
- Setup Screen
 - Select box for Windows Drivers (or Mac / Linux)
 - Unselect "testobjects for mini"
 - Follow prompts

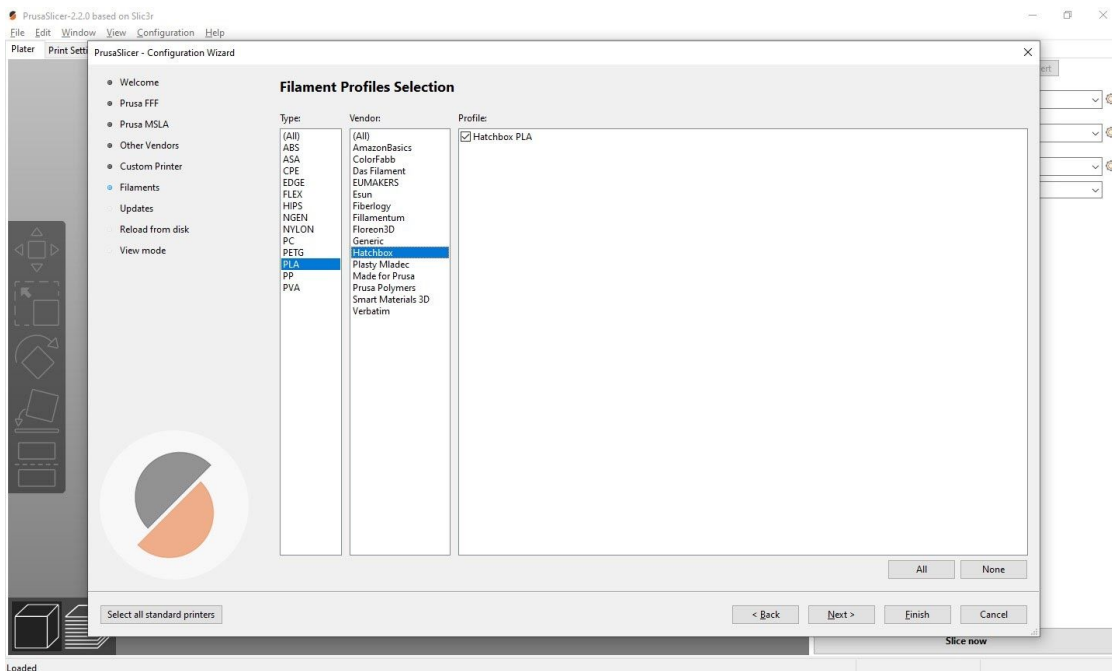
2. Setup Prusa Slicer to match DME 3D Printers

- Select "Original Prusa i3 MK3 Printer" - **deselect all others**
- Select 0.4mm nozzle

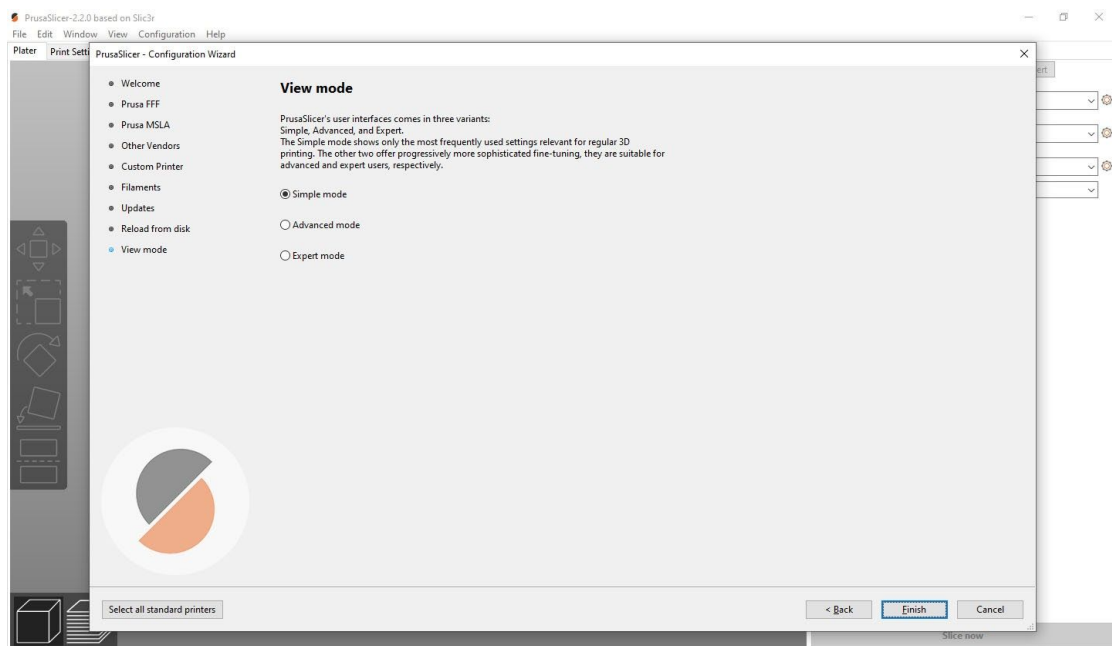


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- Click Next until “Filament Profiles Selection” screen
- Select PLA -> Select Hatchbox -> Select Hatchbox PLA profile



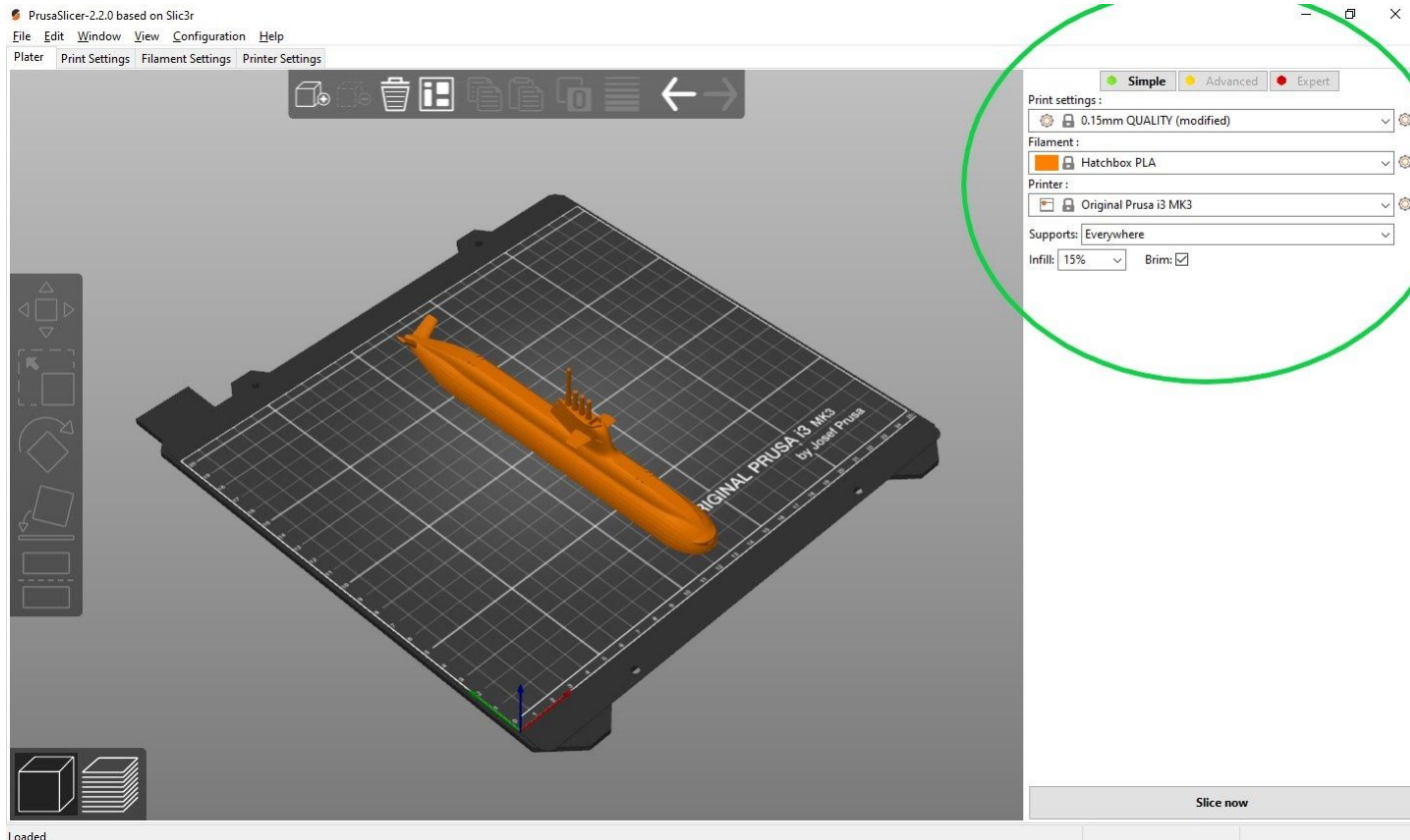
- Click Next until “View Mode” screen
- Select Simple Mode
- **CLICK FINISH**



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3. Check Your Print Settings

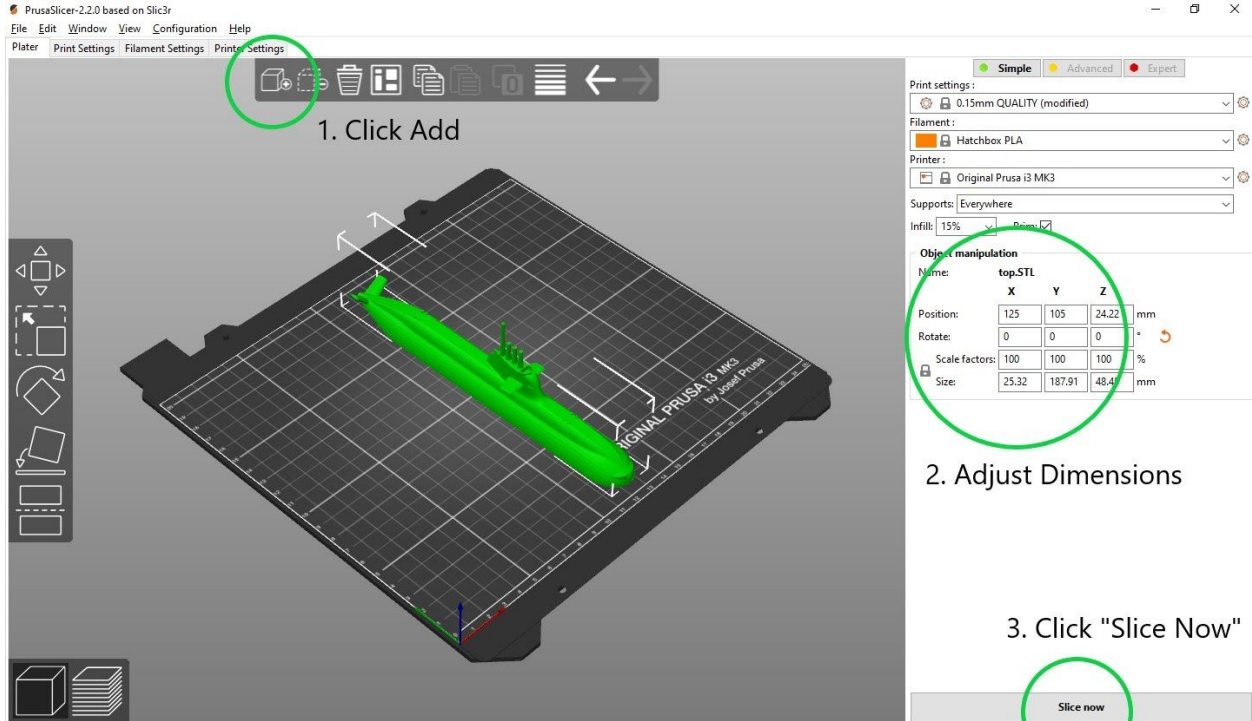
- Under “Print Settings” (Top right corner) select 0.15mm quality
- Filament: Hatchbox PLA
- Printer: Original Prusa i3 MK3
- Supports: Everywhere
- Infill:15%
- Brim: Yes



4. Add model / Confirm Size / Slice

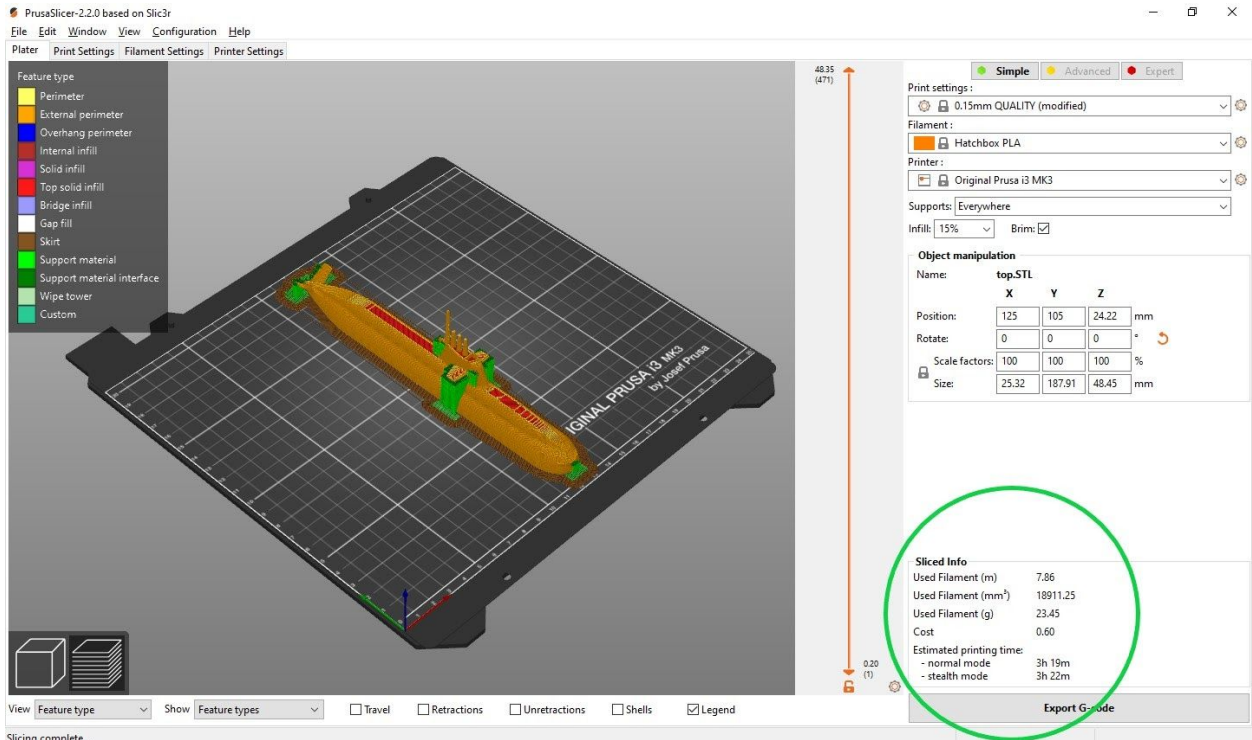
- On the left side of the Top Bar click “Add” -> Select your file (STL)
- Object will be on bed
- Make sure your object is the correct size (length, height and width)
- Right Window under Object Manipulation
 - Click the lock button. If gray, the 3D model will scale uniformly. If Orange, the 3D Model will scale on a single axis (x,y or z) independently.

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CLICK SLICE NOW

5. Check to make sure "Estimated Printing Time - Normal Mode" is 6 hours or less.



If your print time is longer than 6 hours:

- Reduce print size
- Divide object into smaller multiple prints

6. Take a Screenshot of the Prusa Slicer with Sliced Info and object oriented properly on the bed.

- Windows: PRT SC Button -> Win Paint -> Paste -> Save
- MAC: SHIFT + CMD + 3 -> Desktop

7. Fill out the Submission Request Form

- Link: <https://forms.gle/xrP8C4YKvg9MDF536>
- Upload your screenshot
- Upload an **.STL** of your object

Send us an email or join our Discord server if you have any questions or run into any issues.

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Discord Server: <https://discord.gg/Me7tfTs>