

Mammoth Lakes Library

Makerspace 3D Printing

3D Printing

Important Information:

- Free 3D models can be found online for printing. The model must be in .stl file format.
- You may design you own model and save as a .stl file format for printing.
- You may choose to be shown how to use the 3D printer or choose for staff to print your model.
- Patrons who have not printed with the 3D printer will have priority over a patron who has already printed.
- Patrons are limited to 2 prints per month.
- Print jobs vary in time; some print jobs may take as little as 10 minutes, while other may take up to 10 hours. Print jobs over 2 hour will be printed by a staff member and held for the patron to pick up.
- You may choose the color of filament for your print job.
- Computers in the Makerspace are for printing, designing and You Tube tutorials on Makerspace related content only!.
- No food or drink will be allowed in the Makerspace

Cost:

- There is no cost to print 3D models.

Printer:

- Afinia H480

Filament:

- The library provides 1.75mm ABS and PLA filament.
- We have numerous colors of filament to choose for printing, including glow in the dark, purple, brown, primary colors and more.

Hours:

Tuesday	2:00 pm-4:00 pm
Wednesday	2:00 pm-4:00 pm
Thursday	10:30 am-2:30 pm
Saturday	10:00 am-12:00 pm

Hours are subject to change with little or no notice. The library reserves the right to refuse service to any patron causing a disturbance or for improper use of equipment.

Free-Downloadable Software for 3D Designing:

- 123D Design - www.123dapp.com/design
- Blender – www.blender.org
- OpenSCAD – www.openscad.org
- Scupltris – www.pixologic.com/scupltris
- Sketchop – www.sketchup.com (There is a free version and a paid version)
- Wings3D – www.wings3D.com

Free-Web Based Software for 3D Designing:

- 3D Tin – www.3dtin.com
- TinkerCAD – www.tinkercad.com

Free-Downloadable 3D models to print:

3DTin – www.3dtin.com
Thingiverse – www.thingiverse.com