

Fraser Public Library

3D Printing Policy

Adopted: July 9, 2018

Purpose

The Fraser Public Library offers community access to our 3D printer as an educational tool for patrons to experiment, learn and create with different technologies including computer-aided design and 3D printing.

Policy

- The library's 3D printer may only be used for lawful purposes. Patrons may not print items that are:
 - Prohibited by local, state, or federal law
 - Unsafe, harmful, or dangerous to themselves or others (i.e. weapons)
 - Obscene or otherwise inappropriate in the library
 - In violation of another's intellectual property rights
- The library reserves the right to refuse any 3D print request
- The library cannot guarantee the success of a 3D print, nor can the library be responsible for minor defects or imperfections in the print
- Prints will be turned over to patrons as is. If the print requires rafts, supports, etc. then those will remain on the object and be included in the cost
- While we will do our best to provide easy access and a quick turnaround for prints, it will depend on both patron demand and library staffing
- Cost
 - There will be no cost for 3D printing associated with a library program/event
 - Printing costs for personal/other projects are:
 - \$1 per build plate printed + \$0.10 per gram of filament used
- Who can have hands-on access to the printer?
 - During designated hours, or by appointment, staff will be available to help patrons use the 3D printer.
 - Only staff will be allowed to make changes to the 3D printer itself and clear prints from the printing plate
 - Users must be 10 years of age or older to use the machine with staff
 - Those under 10 years of age may use the machine, but must have a parent or guardian present with them

- How to drop off prints:
 - .stl files for printing may be dropped off at the library during designated hours or by appointment.
 - Staff will assist patrons with printing as they are able and/or add their file to the print queue
 - To be sure of immediate access to the printer, patrons may call the library to make reservations
- How to pick up and pay for prints:
 - Usually it will be easiest for patrons to return later to collect their completed print
 - The library will let patrons know when their print is completed, and they will have 7 days to pick up and pay for their print
 - Prints may be picked up and paid for at the circulation desk

Procedures

- Patrons may create their own designs for printing or find designs online. To print and item on our printer, we prefer a .stl file
 - If patrons are interested in making their own designs, try free browser-based programs such as TinkerCAD (beginner) or SketchUp Free (intermediate). Many other programs also serve this purpose
 - To look for (usually) free pre-made designs, try browsing or searching Thingiverse, Pinshape, or MyMiniFactory
- How to request time using the printer:
 - Patrons can request time on the 3D printer by calling the library at (586) 293-2055. Currently the longest reservation we can accept is 2 hours
- Library computers:
 - Only library items and devices may be used with the 3D printer. We will have one computer connected near the 3D printer for use. Design and slicing software are also available on all library computers. We will transfer files to the printer using an SD card and do have SD cards and USB to SD adapters for in-library use.
- Printing:
 - The maximum size of print allowed by our printer is 8 in. x 8 in. x 8 in.
 - Currently we do not offer choice of color for your print.