

The Brookfield Library **3D Printer Information and Requirements**

Type of Printer Available

The Brookfield Library has the Formlabs Form2 3D Printer. This printer uses liquid resin. The Formlabs Form 2 3D Printer can create items up to approximately 6" x 6" x 6" in size.

Methods to Create Design Model

1. Use a pre-existing design repository for free designs that have printed successfully many times and are copyright free.
 - Thingiverse
 - YouMagine
 - My Mini Factory
2. Use 3D software design programs. Many are available on the internet for free.
 - Tinkercad – drop and drag solid modeling for beginners
 - SketchUp – good for architecture and interior design
 - Sculpttris – digital sculpting “from clay”
 - Blender – advanced modeling for animation and art
3. Photograph an object with a digital camera and use special software to create a design.
4. Scan an object with a 3D scanner.

3D Printing Requirements

1. Please read The Brookfield Library's [Policy 260: Use of the 3D Printer](#)
2. Only library staff or a trained person designated by library staff will have hands-on access to the 3D printer.
3. The print file must be sent in the .stl format
4. The patron is responsible for object design. Staff will not modify designs.
5. Only one print per request per person will be accepted and printed at a time.
6. The item to be printed must be no larger than 6" x 6" x 6"
7. There may be a small fee to cover the cost of materials associated with printing. Currently, printing is free up to the first 35 ml of resin used. After that, the fee is \$0.15 per ml of resin used to complete the project. Any possible fees will be discussed at the time that the patron submits plans.
8. The patron is notified when the 3D print is ready for pickup. 3D printed objects and flash drives will only be held for 10 days after notification.