

MakerBot Print Software

In order to change or manipulate any print settings, .STL files may be uploaded to the MakerBot Print software on any public computer at the Buenaventura Lakes Library. Users must have their own login or create one for free. Once the model is ready to print, save the file and upload it to the email address 3Dprint@osceolalibrary.org. MakerBot Print is also available as a free download on your personal computer at www.makerbot.com/3d-printers/makerbot-print/download/.

Free 3D Modeling Programs

Modeling programs allow the user to create their own files for print. Each type has its own creation and editing techniques so check which one would be right for you and your project.

Difficulty: Easy

MORPHI

Type: Solid Modeling

SCULPTRIS

Type: Digital Sculpting

SKETCHUP

Type: Solid Modeling

TINKERCAD

Type: Solid Modeling

Difficulty: Intermediate

AUTODESK FUSION 360

Type: Solid Modeling

AUTODESK MESHMIXER

Type: Polygon Modeling, Digital Sculpting

Difficulty: Advanced

BLENDER

Type: Polygon Modeling, Digital Sculpting

ONSHAPE

Type: Solid Modeling



osceolalibrary.org | 407.742.8888

Mon – Thu: 9am – 9pm
Fri – Sat: 9am – 6pm
Sun: 12pm – 6pm

Hart Memorial Library & Ray Shanks Memorial Law Library

211 East Dakin Avenue
Kissimmee, FL 34741

St. Cloud Library

810 13th Street
St. Cloud, FL 34769

Buenaventura Lakes Library

405 Buenaventura Boulevard
Kissimmee, FL 34743

Poinciana Library

101 North Doverplum Avenue
Kissimmee, FL 34758

West Osceola Library

305 Campus Street
Celebration, FL 34747

Wed, Fri, & Sat: 10am – 6pm

Kenansville Library

1154 South Canoe Creek Road
Kenansville, FL 34739

24/7 Account Hotline: 407.742.5874



Rev. 10/18



3D Printing

ON DEMAND



*Generously provided by
Commissioner Viviana Janer*

**Buenaventura Lakes
Library**

Do you have the tools to succeed?

The MakerBot Replicator + is available to make FREE three-dimensional objects using a design that is uploaded from a digital computer file. All 3D prints will be printed by a trained staff member.

3D Printing Policies

The Library has policies in place to ensure the safe and effective operation of our 3D printers.

- Files must be saved with the "STL" extension for printing.
- Only designated Library staff and volunteers may have hands-on access to the 3D printers.
- Files must be submitted to the Library via 3Dprint@osceolalibrary.org.
- Jobs exceeding 5 hours will not be printed.
- Print jobs will be added to the print queue as they are received and reviewed. No guarantee of completion time is made.
- Prints are limited to one print per week.
- Items will be held for 7 days before becoming property of the Library.
- Objects will not be reprinted except in the case of mechanical failure of the 3D printer.

All policies are subject to change without notice.

3D Printing Restrictions

The Library reserves the right to refuse the production of any content at any time at the discretion of Library staff.

Examples of objects that will not be produced include, but are not limited to:

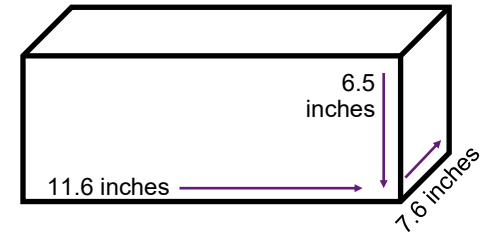
- ⊗ Objects that are illegal or harmful to minors.
- ⊗ Any object that is unlawful, threatening, abusive, tortuous, obscene, racially, ethnically or otherwise objectionable.
- ⊗ Objects that may be construed as having intent to harm or capability of harming an animal or person in any way.

By submitting objects for printing, the patron assumes all responsibility for, and shall hold the Library harmless in, all matters related to patented, trademarked, or copyrighted materials.



3D Printing Step-by-Step

1. Visit www.Thingiverse.com to download free 3D models.
2. Use the search box to find something you would like to print.
3. Click on download files and save as an .STL file. Some models may print in pieces and may have several files.
4. Send the .STL file(s) to the email address 3Dprint@osceolalibrary.org. Models can only be printed in one color. You may ask for a specific color, however there is no guarantee. 3D printed models can be painted with acrylic paint. Maximum build size is 11.6 x 7.6 x 6.5.



5. An email will be sent once the model has completed printing and is ready for pick up.

