

Transform your idea into a 3D object.
Small 3D printers like the one here at BPL can be used for
prototypes, small tools, and toys.



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START HERE

Create your own design for free with tinkercad.com, or use a pre-made design from a website like thingiverse.com

SLICE IT UP

Upload your file to the slicing software. Your design will be printed in layers - this step tells the printer how to create them.



PRESS PRINT

When your file is ready, send it to the 3D printer and watch it come to life, layer by layer!



Transform your idea into a tangible, 3D object!
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- 1** Prepare your design. Create your own at www.tinkercad.com or use a program of your choosing.
- 2** Ensure your file is saved as an .STL or .OBJ. For the Ultimaker 3S, your file should be in a .umf file.
- 3** Open CURA, the slicing software, and upload your file.
- 4** View your design in CURA, which is where you can adapt your design to set it up for a successful print. This may include adding supports, changing the scale, or adding a build plate.
- 5** Note the length of time it will take your design to print. Printing projects cannot exceed the operating hours of the library.
- 6** When your print is ready, select Print Over Network.
- 7** When the print is complete, wait until it cools before removing it. Your object should come off the glass easily. Do not force it as you may damage the printer and your creation.



Want to learn more? Watch
a video tutorial here:



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