3D Printer

The Basics:

Find a 3D design – or create your own – and watch it print right before your eyes! Toys, tools, prototypes, inventions, tchotchkes – bring the file and we'll print it for you.

Materials to choose from:

- o Clear
- o Blue
- o Green
- o Orange
- o White
- o Gray

- o Black
- o Brown
- o Purple
- o Red
- o Yellow
- o Glow in the Dark

How to use:
Email us a 3D file – or drop it off at the TechZone desk – we'll confirm, size, color, and send you an estimate. Once you confirm, we'll print it as soon as we can and contact you when it is finished.

Details:
- Machine: Robo R1 + 3D printer. This machine's print area is 10"x9"x8" (which means your file cannot exceed those dimensions)
- Material: 1.75 PLA (various colors)

If you don't have the time or expertise to create your own 3D file, there are websites where 3D files are shared for free. Check out **Thingiverse.com,** home to thousands of free 3D files to browse, download, and print.

If you want to make your own 3D files, check out the TechZone Design Computers or use your personal computer along with any of the following free resources:

Sketchup, TinkerCAD, 3D Slash, Fusion 360, FreeCAD, Onshape, MakePrintable, Meshlab, Meshmixer, and MatterControl

If you create your own file to print, you must send it to us as a **.stl** file.

For additional help learning 3D software checkout out **Lynda.com** – a powerful online learning site available for free with your library card.

For more information about the variety of services and equipment available in TechZone, please visit www.akronlibrary.org/tz.

Akron-Summit County Public Library

3D prints can take as little as a half hour and up to ten hours. We try not to print anything that is longer than the time someone is in the building. When you send us your file we'll be able to give you an estimate for how long the print will take and how much it will cost.

Cost:
$1 / hour

To Make an Appointment:
Walkups are accepted but it is preferred that you make an appointment. Call the TechZone at **330-643-9145** or email us at **esdiv@akronlibrary.org** to make an appointment.

When you arrive:
Stop at TechZone desk to sign in. Have your design ready and saved to a flash drive. We will calculate the amount of time it will take to print your item and then write up a receipt for you and ask you to pay at the Circulation desk. We will start your print on the next available date when there is enough time to begin your work. It could be that day but if it is a long print it is likely to be started at a later point. You will receive a call or email from us when your printed item is ready to be picked up at the TechZone desk.

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