

Becoming a Local Host Site

While Romich Foundation provides the overall kit, local administration is being hosted by various organizations.

The local host site is responsible for informing the local potential borrowers of this opportunity. In general, the intent of this program is to act as an equalizer, giving first priority to disadvantaged individuals.

Our overall goal is to have 75 kits in circulation throughout Wayne County.

If interested in becoming a local host, go to the 3D Printer Lending Library website and fill out the correlating google form.

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3D Printer Lending Library

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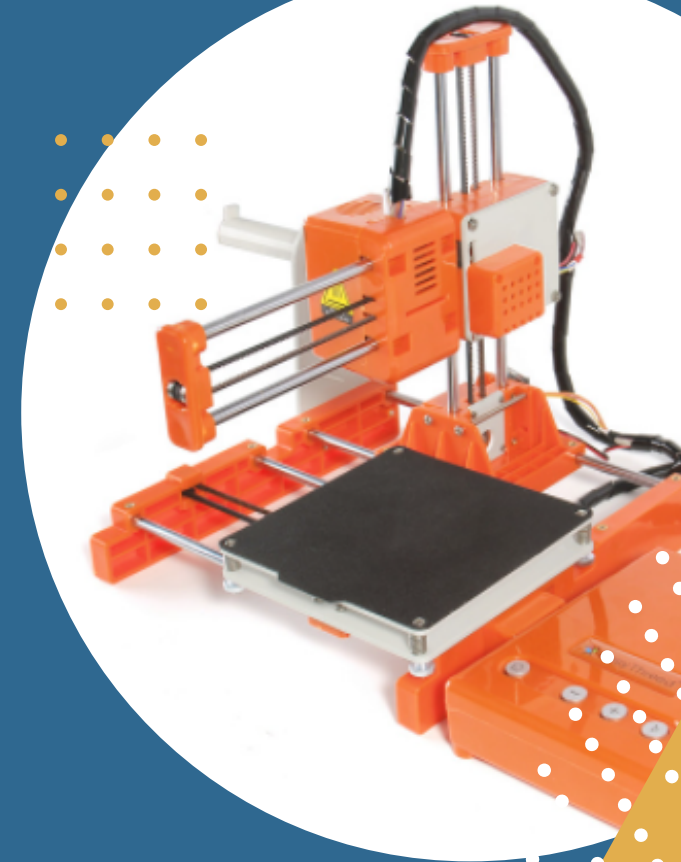
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<http://romichfoundation.org/3DPLL/>



3D PRINTER LENDING LIBRARY



Slicing Software

3D printed objects are essentially stacks of layers. The layers are created using slicing software.

The slicing software converts the .stl file (defining the object to be printed) into the GCode commands that drive the specific 3D printer.

The computer in this kit comes with the Cura Version 4.8.0 slicing software installed.

Cura is available for download at no cost.

www.thingiverse.com has pre-made files ready to be downloaded and printed.

- www.tinkercad.com is another approach for drawing your own 3D printable objects.

Program Summary



This 3D printer kit was made available through a lending library program that was inspired by the availability of low cost hardware, initial availability of Windows computers, and the notion that people may want to have a trial 3D printer experience before making their own investment.

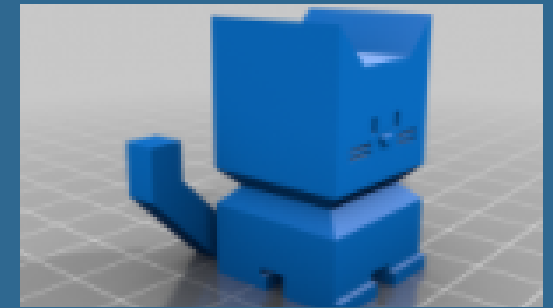
The essence of this program is that a package containing everything needed to initially explore 3D printing can be borrowed for a period of time.

The 3D printer being used in this program is the EasyThreeD Model X1. This 3D printer uses PLA filament and has a working volume of about a 4" cube.

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First Print

The printer looks for the GCode file on the memory card that is the most recent. When the kit is sent out to a borrower, the calicat.gcode file is on the card..



Filament

Filament is a plastic type material that is heated to liquid form and squirted out a nozzle in a controlled manner, where it cools to a solid form.

