What is 3D Printing?

3D printing is the process of making 3D objects from a digital design.

The 3D printed object is created using additive processes. In an additive process an object is created by laying down very thin layers of material one by one until the object is finished.

Can I use the 3D printer?

Patrons will be able to submit 3D design files to be printed by the Prusa i3 MK3S+. Patrons can design their own 3D objects or submit a design from another source.

Patrons can use the form on the back of this brochure or online at **copiaguelibrary.org** to submit a request to have a design printed by the library's 3D printer. After the request is received a library staff member will contact you so that you can send us the design file you would like printed.

Once it is determined that the design does not violate the Library's 3D Printing Policy it will be put in the 3D printing queue to be printed (designs will be printed in the order they are approved.) Once your design has finished printing, a library staff member will contact you to pick it up.

FAQ Frequently Asked Questions

What file formats can be printed using the Prusa i3 MK3S+?
Vavefront obj (.obj)
ACSII stl. (.stl)
Binary Stl (.stl)
Thing (.thing)

How large can my design be?
9.84L X 8.3W X8.3H inches
Please note: The larger a design is, the longer it will take to print and the more expensive it will be.

What programs can I use to create my own 3D designs?
For beginners we recommend using **tinkercad.com**, a free and simple online 3D design website.

For those that have mastered *Tinkercad* we recommend *Blender*, a free and open source 3D creation program that is available for download from **blender.org**.

Where can I find designs that are ready to print?
Thingiverse.com is a 3D design sharing website that allows users to download and print 3D designs.

How much does it cost to have a design printed?
The charge is $0.25 per 15 minutes of print time.

What material does the 3D printer use to create my design?
The Prusa i3 MK3S+ uses Polylactic acid (PLA) which is a biodegradable thermoplastic aliphatic polyester derived from renewable resources.

Prusa i3 MK3S+ Print Request Form

Patron Name:

_____

Phone Number:

_____

Email:

_____

Library Card Barcode:

21938000 _____

What color filament would you like used to print your project?
Please note: The Prusa i3 MK3S+ can only print with one color per design.
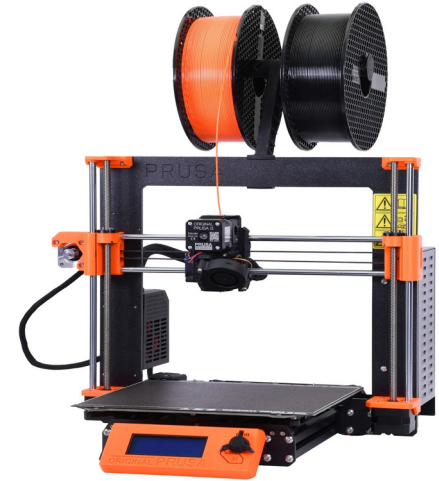
(Circle One)

Black	White	Yellow
Orange	Red	Gray
Green	Blue	

Thingiverse Link for Design to be Printed:

_____

Description of the design you would like printed:

_____

_____

_____

3D Printing
at the Copiague Library

The Copiague Library is excited to offer patrons access to a 3D printer, the Prusa i3 MK3S+
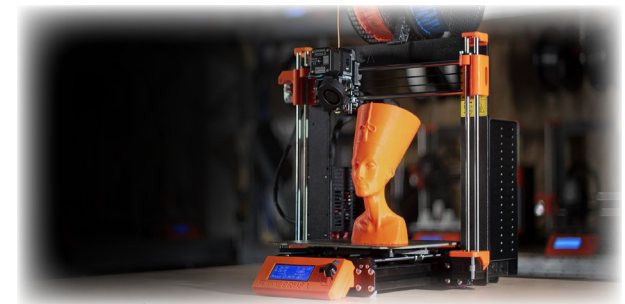
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