

3D Print Designs Templates

A 3D printer is used to print small precise plastic creations in specific shapes and sizes. Prints can be created from online templates or your own design. If you would like to try out 3D printing with the library's printer, but don't have something specific to print, here are a few ideas to get you started. Please submit the file you would like printed to our youth librarian. You can email her at sarah.clawson@cityofbloomfield.org. **If your design needs to be edited in any way before it can be printed please do that before submitting it. If you need help editing your design, please contact Sarah to set up a time to work on it.**

Printer specifications:

The library's 3D printer is a Bambu Lab P1P with a 0.4 nozzle. The print bed is 250mm³. Preferred file types are .stl and .3mf.

3D printing costs by weight:

0-15grams is \$2

Additional weight is .10/gram

Battery Holders:

<https://www.thingiverse.com/thing:1004996/files>



Print Time Estimate: 10hrs

Weight Estimate: 65g

Cost: \$6

Slider Task Reminder V2 AM/PM

<https://www.thingiverse.com/thing:2332208>



Notes: Text is customizable

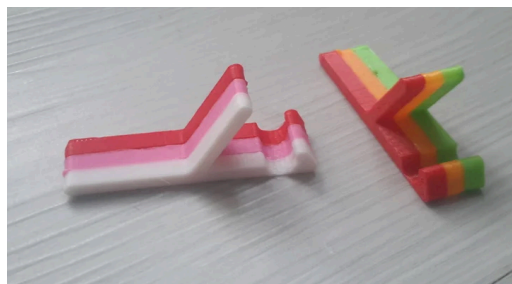
Print Time Estimate: 4hrs 30mins

Weight Estimate: 31g

Cost: \$3.60

Customizable Universal Phone & Tablet Stand

<https://www.thingiverse.com/thing:1319489>



Notes: Optional keychain loop

Print Time Estimate: 46mins

Weight Estimate: 4g

Cost: \$2

Tree Jewelry Stand

<https://www.thingiverse.com/thing:23295>



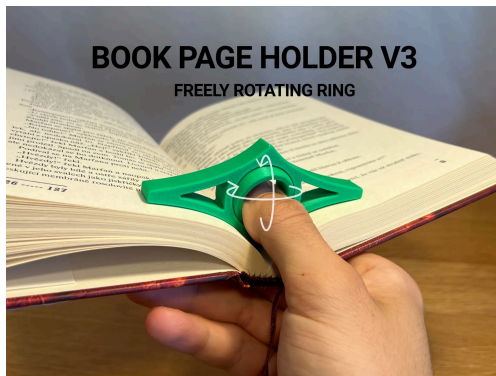
Print Time Estimate: 2hrs 8mins

Weight Estimate: 16g

Cost: \$2.10

Book Page Holder V3

<https://www.printables.com/model/1381829-book-page-holder-v>



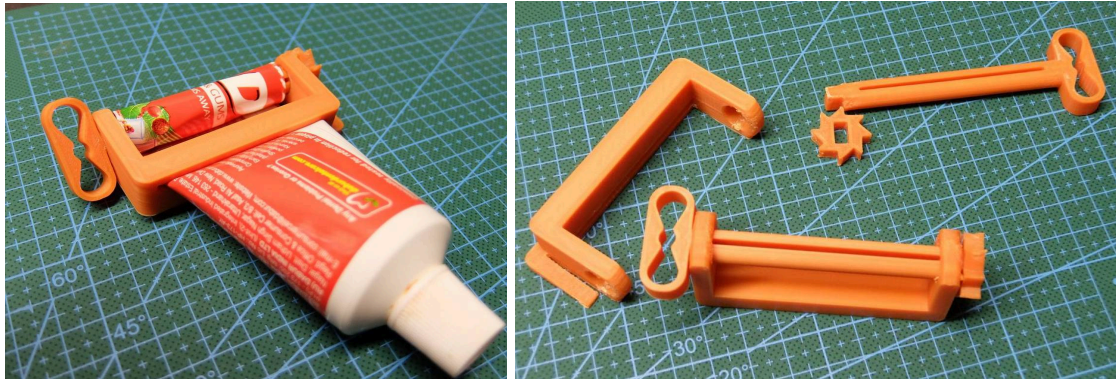
Print Time Estimate: 35mins

Weight Estimate: 11g

Cost: \$2.00

Toothpaste Squeezer

<https://www.thingiverse.com/thing:1261318>



Print Time Estimate: 2hrs 3mins

Weight Estimate: 13g

Cost: \$2.00

Wall Mounted Key Holder

<https://www.thingiverse.com/thing:4775253>



Print Time Estimate: 7hrs

Weight Estimate: 194g

Cost: \$19.90

Door Hook

<https://www.thingiverse.com/thing:7160078/files>



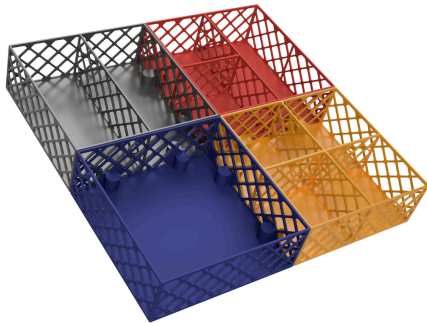
Print Time Estimate: 25min

Weight Estimate: 5.3g

Cost: \$2.00

Desktop Organizer

<https://www.thingiverse.com/thing:7151333>



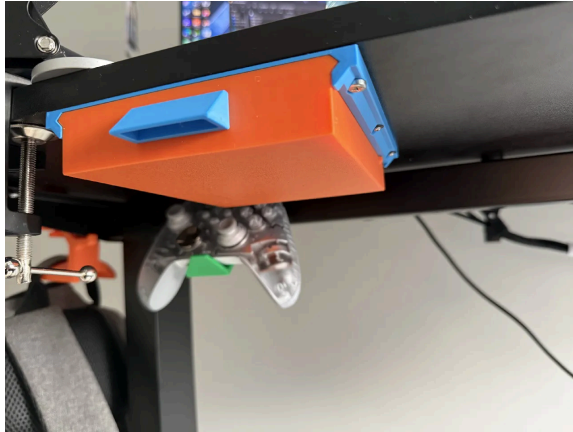
Print Time Estimate: 5hrs 10min

Weight Estimate: 98g

Cost: \$10.30

Under Desk Drawer

<https://www.thingiverse.com/thing:7152876>



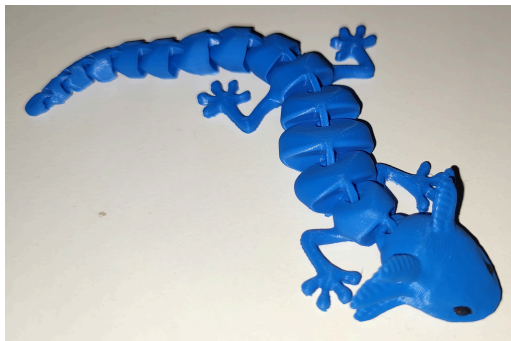
Print Time Estimate: 5hrs

Weight Estimate: 167g

Cost: \$17.20

Articulated Axolytl

<https://www.thingiverse.com/thing:5405919/makes>



Print Time Estimate: 1hrs

Weight Estimate: 11g

Cost: \$2.00

Minecraft Creeper Bookmark

<https://www.thingiverse.com/thing:3894240>



Print Time Estimate: 20min

Weight Estimate: 6g

Cost: \$2.00

Sites for 3D Print Templates:

<https://www.thingiverse.com/>

<https://www.printables.com/>