3D Printer Policy

* **Cost:** The cost associated with projects is based on price of material we use for printing and a standard project fee. This amount is due when picking up an item.
  + **Standard ABS:** $0.25 cents per gram of material + $1 bed fee + $1 processing fee
  + **Flexible:** $0.50 cents per gram of material + $1 bed fee + $1 processing fee
  + **Specialty:** $0.75 cents per gram of material + $1 bed fee + $1 processing fee
  + **For large printed items we will require half of the payment upfront** 
    - *Anything over $10 material fee is considered large (that is 40 grams of material or more)*
* **Research/organizational projects:** Contact Marisa Webster, Library Director
* All filaments will be provided by City-County Library, no outside filament may be used in the printers.
* Files must be submitted in **.stl** format.
* Submitted files must be ready for printing. Staff will not modify a print file.
* Staff may reject a file if the file is not ready for printing.
* City-County Library staff reserves the right to refuse any print based on technical or content attributes.
  + Examples of content that will not be scanned or printed may include, but not limited to
    - Content or objects that may be construed as having intent to harm.
    - Content or objects that may infringe upon the intellectual property rights of a third party.
    - Content or objects that may damage the equipment during scanning or printing.
* Users agree to the following when submitting a file or using the equipment in the City-County Library:
  + By submitting content or objects, the user agrees to assume all responsibility for, and shall hold City-County Library harmless in, all matters related to patented, trademarked, or copyrighted materials.
  + City-County Library is not responsible for any damage, loss, or security of data arising from the use of its computers or equipment, nor for the functionality or quality of content produced.
  + City-County Library reserves the right to refuse the use of equipment or production of any content at any time at the discretion of City-County Library staff.

**If you have any questions regarding the policies on this page, please feel free to contact Marisa Webster at** [**3Dcitycountylibrary@gmail.com**](mailto:3Dcitycountylibrary@gmail.com) **or call 806.561.4050.**

**How Do I Print in 3D?**

1. To print a 3D object, you must first have a .STL file.
   1. You may have already created one, or you can use resources such as Thingiverse or TinkerCAD to download or create one. (See Resource page for additional assistance)
   2. Project must be 9x9x9 inches or smaller. Cannot print anything bigger.
2. Send your .STL file to [3Dcitycountylibrary@gmail.com](mailto:3Dcitycountylibrary@gmail.com). Pleas indicate any specifications you would like, such as raft or density infill setting. Please indicate which of the following colors you would like:
   1. White, Red, Blue, Sky Blue, Green, Royal Purple, Yellow, Orange, Black, Grey, Turquoise, Gold, Brown, Bronze
   2. Specialty Colors: Translucent Blue, Translucent Purple, Translucent Pink, Fluorescent Yellow, Glow in the Dark green, Glow in the Dark blue, Color Changer Sunshine
   3. NingaFlex: Violet, Sapphire, Aqua
3. Our staff will run the file through slicing and check the integrity of the file. If we find any errors that cannot easily be fixed/corrected, we will notify you to fix the file.
4. Prior to printing we will contact you with an estimate of time and price.
5. We will print your object. (Please note the bigger the object the longer to print. Only print during open hours, printer will be paused when Library is closed)
6. When your item has completed printing, we will email you to pick up item.

# Resources

## Hardware and Software

City County Library offers the following hardware and software available for use by patrons and staff of the City County Library:

* Polyprinter 229
* Kisslicer Pro
* A variety of filament

**Getting Started**

City-County Library welcomes your questions about the 3D printer and strive to provide you with all the resources that will help you accomplish your individual maker goals. For some general information on how to get started, please review the following resources.

* Thingiverse: An online repository for 3D files. You can download, and in some cases edit files uploaded by other users in the maker community.
* TinkerCAD: A web-based tool for creating 3D objects. You can begin a new project or import an existing file to customize.