

York County Library (YCL) Teen 3D Printing Service Guidelines

I. About the Service

York County Library provides a Bambu Lab X1 Carbon 3D printer to help patrons ages 12–18 turn their digital designs into physical, three-dimensional objects.

- **Learning Resources:** Patrons can use free online apps and design software to create or download prints.
- **Research Tools:** Access step-by-step guides and inspiration through our virtual resources at yclibrary.org/resources-by-subject, under *Do It Yourself – Hobbies and Crafts Source*. This resource must be accessed with a library card.
- **Compatibility:** Before submitting, please review standard [Bambu Lab printing processes](#) to ensure your digital file is compatible with our equipment.

II. Eligibility & Access Requirements

To use the library's 3D printing service, patrons must meet the following criteria:

- **Age Limit:** Must be between the ages of 12 and 18.
- **Library Card:** Must hold a current, active YCL library card, or have a parent/guardian with a current, active YCL library card.
- **Account Status:** The library card must be in good standing with no blocks.

III. Submission Guidelines & Technical Limitations

To keep the print queue moving fairly and efficiently, the following technical limits apply:

- **File Types:** Digital designs must be submitted through yclibrary.org in either **.stl** or **.3mf** format.
- **Queue Limits:** Patrons may only submit **one file at a time**. A new project cannot be submitted until the active print is completed, paid for, and picked up.
- **Print Time Limits:** Estimated print jobs must take no more than **8 hours** to complete.
- **Material Limits:** Prints are limited to a maximum weight of **250 grams** (including necessary rafts and support structures).
- **Filament Specifications:** All prints will be made strictly in **white PLA filament**. The library does not offer colored filament, specialized materials, or post-print painting services.

IV. Content Restrictions & Staff Authority

The library reserves the right to review all files before printing to ensure safety and community appropriateness.

- **Prohibited Items:** The 3D printer shall not be used to create materials that are:
 - Prohibited by local, state, or federal law.
 - Unsafe, dangerous, or harmful to the well-being of others.
 - Replicas of weapons, weapon parts, or items easily mistaken for real weapons.
 - Obscene, sexually explicit, or inappropriate for a public library environment.
 - Deemed structurally unsafe or harmful to the physical 3D printer.
- **Intellectual Property:** Prints must not violate another party's intellectual property, trademark, or patent rights. YCL assumes zero responsibility for copyright violations.
- **Staff Discretion:** Library staff reserves the absolute right to refuse any print job. Patrons will be notified promptly via email if their job is declined.

V. Operational Rules & Post-Processing

- **Staff Operation Only:** Only authorized library staff or tech department personnel may interact with, adjust, or remove prints from the 3D printer hardware.
- **Additional Hardware:** An additional 3D printer in the YCL Tech Department may be utilized by staff when necessary to balance the workload and clear the queue.
- **Scheduling:** Prints are completed as staff time allows and are not run on a guaranteed schedule. The library reserves the right to pause public printing to prioritize library-led programs and teen activities.
- **Post-Processing:** If a design requires temporary support columns, rafts, or brims to print successfully, **the library will not remove them**. Patrons are entirely responsible for their own support removal and post-print cleaning.

VI. Cost, Payment, & Pick-Up Policy

- **Fees:** Printing costs **\$0.05 per gram** of filament used (measured after slicing, including supports).
- **Payment Terms:** Payment must be made at the Computer Lab at the time of pickup.
- **Abandoned Items:** Patrons will be notified when their print is complete. Items not picked up and paid for within **seven (7) business days** of notification become property of the library.

- **Account Penalties:** Failing to pick up and pay for a completed print will result in the total print cost being charged as a fine to the patron's library card, suspending all printing privileges until the balance is cleared.

VII. Quality Guarantees & Liability

- **User Design Errors:** The library does not offer refunds, reprints, or replacements if a patron is unsatisfied with the finished aesthetic, or if the print fails due to an inherent design error (e.g., overhangs without supports, walls too thin, or unstable geometry). Patrons may be financially responsible for the filament wasted on user-error failures. Staff will review this on a case-by-case basis.
- **Machine Malfunctions:** The library will reprint a job at no extra charge if the print fails due to a verified hardware malfunction, mechanical glitch, or defective library filament.
- **Media Release:** The library reserves the right to photograph or video completed objects to display within the library branch or share on official YCL social media channels.