North Babylon Public Library

3D Printing

3D printing or additive manufacturing is a process of making a three-dimensional solid object of virtually any shape from a digital model. 3D printing is achieved using an additive process, where successive layers of material are laid down in different shapes. Computer controlled motors move the nozzle around to create a shape layer by layer, which immediately hardens.

A MakerBot Replicator (Fifth Generation Model) is available for assisted patron use; it is located in the Adult Reference area. Patrons should be familiar with the technology in order to use the equipment for such purposes. Files should be saved in .STL format. The printer prints from a USB memory stick.  The Library will transfer your file onto a USB stick, if you need one. See a Librarian for assistance.

North Babylon Public Library patrons (age 12 and older or younger with an adult) who have a valid library card in good standing (no billed items, no fines beyond $5.00, no collection agency fees, etc.) can use the 3D printer. Patrons will be working with library staff on printing; patrons should understand that the library staff will be operating the printer, computer and digitizer.

The 3D printer can be used all hours the library is open, up to 30 minutes before the Library closes. Patrons may schedule printing time slots with the Reference department. Any Library printing programs take precedence over individual printing. Printing is limited to one print job per week per patron. Printing time is limited to 3 hours per project. Printing cannot continue after the library is closed; the printer will be shut down at closing. The Library is not responsible for the production or storing of any project.

Patrons will be charged 50 cents for each 30 minutes of printing. If a project does not print to the patron’s satisfaction, it will not be repeated. Completed projects are expected to be paid in full, regardless of outcome.

Guidelines

All printing files will be reviewed by library staff to ensure compliance with this agreement and all other library policies prior to printing. The Library reserves the right to decline printing any items.

The Library shall assume no responsibility to ensure compliance with any patent, trademark or copyright restrictions. Users hereby affirm that he or she has the right to use such printing file.

Patrons are required to stay close to the printer while printing to be able to periodically check in on your item as errors can occur. If an error occurs, you must notify a librarian at the Reference Desk. There is no guarantee that patrons will be able to print again due to time constraints.

The following types of items may be printed: items up to 11 inches long by 6 inches high by 6 inches wide can be printed. They should be: your creation OR in the public domain and items which do not conflict with any North Babylon Public Library policy.

The following types of items may not be printed: copyrighted, patented, trademarked, registered designs, or any other proprietary objects. No object should in any way be: prohibited by local, state or federal law; obscene, offensive, unsafe or harmful; pornographic; pose a risk to or endanger others or an object that may function as a weapon or part of a weapon.

For questions about 3D printing call the Adult Reference Desk 631-669-4020.

Adopted by the Board of Trustees, August 19, 2014.