

## 3D Printing

### Guidelines

The staff of the Rochester Hills Public Library (RHPL) provide 3D printing to the community based on procedures as follows.

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### Procedures

1. The library reserves the right to limit the materials that can be used to print an item. The primary material provided will be PLA, but other materials may include: PLA, wood filled filaments, Polyester (Tritan), PETT, bronze, copper, stainless steel-filled filaments, Polycarbonate, Nylon, PETG, conductive PLA and ABS, UV luminescent filaments, PCTPE, Pc-ABS, and Alloy 910. These other materials may be approved upon request and the customer must supply the materials.
  2. The library staff will determine whether or not a print can be completed.
  3. Printed items are priced based upon finished weight. The current price is \$0.20 /gram. Users will also incur a fee of 50 cents per hour beginning at four hours. Every effort will be made to verify print and pricing within two business days of submittal. Payment for materials must be received before the item is printed.
  4. 3D printing done in relation to an official library program is free
  5. Maximum print size is 280 mm x 280 mm x 250 mm (11.02 inches x 11.02 inches x 9.8 inches).
  6. Any 3D drafting software may be used to create a design as long as the file can be saved in: .stl, or .obj, file format.
  7. Persons wanting to use the 3D printer shall bring their file (no larger than 25MB) to the adult services desk during regular library hours. Staff will add the model to the printing queue.
  8. The files will be readied for printing in Cura or other authorized software. The library will view all files in Cura or other authorized software before printing.
  9. If there is high demand, the library will scheduled only one print per day per person or entity.
  10. Items may be picked up at the adult services desk. It is sometimes difficult to estimate exact print times. Staff will make an educated guess about the length of a job upon request.
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11. Staff will notify customers when their print job is complete. All files will be deleted from the system at that time. Projects which are not picked up within fourteen calendar days following notification, will not be retained. Refunds are not permitted.
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Implemented: