



3D printing request form

3D printing is available to patrons and visitors of the Hawkesbury Library Service. The 3D printer is a Bilby 3D Inventor II.

Prints are charged at \$10.40 for the first 20 grams and then 20c for each gram after that. Payment needs to be made as this form is submitted. Files should be provided in .stl or .obj format on a memory stick. The memory stick will be returned when the model is picked up.

Name: _____

Phone Number: _____

Filename: _____

Quantity: _____

Raft (Required): ☒

Supports: ☐

Quality: Low ☐

Standard ☐

High: ☐

Custom: ☐

Circle your desired colour: One colour per model.

| | | | |
|--|------------|---|--------|
|  | Black |  | Yellow |
|  | White |  | Green |
|  | Light Grey |  | Purple |
|  | Dark Grey |  | Orange |
|  | Red |  | Blue |

Notes: _____

Grams: _____

Cost: _____

Staff Signature: _____

Receipt No: _____



About 3D printing:

So where do you start with using this technology? There are a great number of helpful websites and model repositories that can get you started.

<http://www.thingiverse.com> – The Thingiverse contains thousands of models for you to download and print.

<http://www.yeggi.com> – Yeggi is a search engine for 3D models. It searches multiple repositories for pre designed models.

<http://www.tinkercad.com> – TinkerCAD is a very easy to use online modelling tool. There are walkthrough tutorials to show you what tools are available and then you can let your imagination run wild and create anything you want.

Terms and Conditions:

Staff will try to ensure models are likely to be printed successfully, but if it is something that has not been printed within the library previously, staff cannot be sure if the printout will be successful. If a model is printed and the printout is unsuccessful, no refund will be given.

Hawkesbury Library Service will aim to have most 3D prints available for pickup within seven working days, but this may be longer or shorter based on printer demand.

All prints will be printed on a raft which adds to the stability and reliability of the print. The raft is a stable platform printed by the printer to ensure a model is printed on a flat surface. Patrons are expected to remove their 3D model from the raft themselves.

Print jobs with long horizontal spans between two points i.e. Garage door frame, will require supports.

Any sanding, filing or assembly also needs to be carried out by the patron. Staff may be able to give further advice to patrons on request.

While most printouts will work at standard settings, higher resolutions can be printed. The higher the quality of the model, the more filament will be used. The raft and supports are also included in the final weight and therefor cost.

Models which contain a lot of small details and complexity may exceed what the printer is capable of. i.e. figurines

Patrons signature: _____ Date: _____