## Buying a 3D Printer

This online seminar is designed to help those who are considering purchasing a 3D printer for home use. I will review and help you define your actual printer needs. Once your personal needs are defined we can review printers features and price points to narrow down your search.

Disclaimer: Katapult Makerspace has no alignment or affiliation with the companies I will be presenting. The information provided is based purely on personal experience. This presentation is designed to help you look at options and pricing to determine your needs.

## Topics

* Define personal printing requirements or use for your printer.
* Research material costs.
* Pricing and review of the printers I have experience with.
* Care and feeding of your printer.

### Define your printing requirements or use

* Once I have invested money what am I expecting from this printer?
* Are you just going to print toys or figures?
* What about custom designs?
* Accuracy of print.
* What am I willing to pay?

### Research material costs

* Filament for your printer will cost on average between $20 -$25 for a 1KG spool
* Filament only comes in one color. There are companies that do supply filament variety packs which include several spools in different colors.
* Over time you may have to replace your print surface.
* Every print may not be perfect so expect to start a print and have a failure occasionally.
* Along with material costs where in your home will this thing live?

### Pricing and review of printers

* Geeetech(Yes three e’s) i3 Pro W

Price: $160 free shipping eBay

Bed Size: 200mmX200mmX180mm

Bed Type: Glass

PROS: Will fill in blanks during seminar

CONS: Will fill in blanks during seminar

* Creality Ender 3

Price: $189 free shipping Creality3DShop

Bed Size: 220mmX220mmX250mm

Bed Type: Creality removable

PROS:

CONS:

* PRUSA Mini

Price: $349 shipping ?

Bed Size: 180mmX180mmX180mm

Bed Type: PRUSA removable

PROS:

CONS:

* PRUSA MK3S

Price: $749 kit $999 built shipping?

Bed Size: 210mmX210mmX250mm

Bed Type: PRUSA Removable

PROS:

CONS:

* MakerBot?

Price: $

Bed Size: 200mmX200mmX180mm

Bed Type: Not removable. Metal

PROS:

CONS:

### Care and feeding of your printer

* Nozzle replacement
* Print bed cleaning and possible replacement
* Bearings and linear rod lubrication.
* PTFE tube replacement
* Filament storage and care

Thank you for attending this seminar. We will be providing additional seminars based on this one.

3D Printer Setup

3D Printer Operation