



Printer Components

By Friend

Pre-workshop

- Print out a sheet of PrinterComponentsWorksheet.pdf, or download it to something I can check off tick boxes (iPad, your laptop on Paint.net, etc.)
- Download sample.stl and be ready to print it
 - You should know how to print things from Basic Printing/Slicing workshop

If there's a word you don't understand in the slide, let me know and I'll add it here

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Agenda

- X , Y and Z axis; Cartesian vs Delta vs CoreXYZ
vs Polar vs Scara
- Printer parts
- You'll do the learning by yourself mostly

Group matching

- We'll do 2 people per printer
- There's probably enough printers for everyone, but I also want you to better know other people who'll be joining the team

Task

- Find answers to the worksheet online
- Just Google it
- Don't look at the answer key (duh)
- Call the members running the workshop to tick off boxes when you've found answers to them

Some further readings

- Assembling your own printer using these parts https://reprap.org/wiki/Prusa_i3_MK3
https://manual.prusa3d.com/c/Original_Prusa_i3_MK3_kit_assembly
- RepRap in general has loads of info on how to assemble your own printers, for all kinds of designs and systems
<https://reprap.org/wiki/RepRap>