

### **3D Printer Safety Checklist – READ BEFORE USE**

Refer to [http://www.prusa3d.com/downloads/manual/prusa3d\\_manual\\_mk2\\_en.pdf](http://www.prusa3d.com/downloads/manual/prusa3d_manual_mk2_en.pdf) for detailed operation guidelines

#### **PPE/Safety Rules**

- Wear safety glasses during use.
- This 3D Printer is only compatible with 1.75mm PLA filament.
- Wait for the printer to completely stop before removing the print
- Stay an arm's length away from the printer when in use
- If there is visible damage to the printer before, during or after use, inform the Makerspace Co-ordinator
- Always keep the area clean
- Inform the Makerspace Co-ordinator if filaments need to be replaced or any tools/equipment is missing
- Exercise caution while cleaning the nozzle after use. Only use the cleaning equipment provided

#### **Things to avoid**

- Do not use the printers unless you have been trained
- Do not use the printer until the project has been approved by the Makerspace Co-ordinator
- Do not touch the heated bed or nozzle while printing is in session, or until it has cooled down.
- Do not try to replace the filament manually. If not sure how to replace it, communicate with the Makerspace Co-ordinator
- Do not turn off the print in the middle of a print, unless authorized by the Makerspace Co-ordinator
- Do not attempt to print anything larger than the dimensions of the printer.

#### **Pre-start Checklist**

- Have I been trained?
- Have I used the corrected specifications while splicing?
- Has the project been approved by the Makerspace Co-ordinator
- Do I know how to stop the machine quickly in case of an emergency?
- Did I set the correct temperatures for both the nozzle and the heat bed?
- Is the printer calibrated?
- Is there enough filament to complete my print? How long will the print?

#### **Potential Hazards**

- Extruder and motors are hot during operation, and possibly hot during other times
- Pinch Points while machine still moving
- Removal tools are sharp

**Prusa i3 MK2 – Basic Orientation Diagram**

