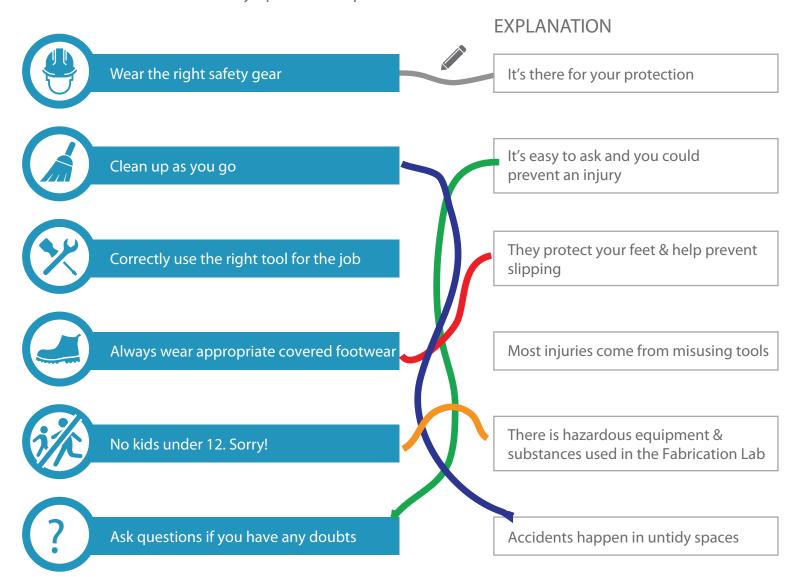
THE EDGE 3D PRINTER INDUCTION

Assessment Record



ACTIVITY 1 - KEY SAFETY TIPS FOR THE FABRICATION LAB

Draw a line to match the safety tip with its explanation



NAME: DATE:

The aim of The Edge Resource Inductions are to ensure that patrons are equipped with practical skills and knowledge to safely access the range of tools available for public use in the Fabrication Lab. In each of these inductions, an Edge Facilitator will deliver training on the safe and appropriate use of equipment.

The following form serves as a record of your participation, and provides evidence to demonstrate your competent understanding and practical application of the training.

The assessment evidence collected in this Induction will be in three forms: Written Assessment, Peer Assessment (Verbal), and Workshop Facilitator Observations.

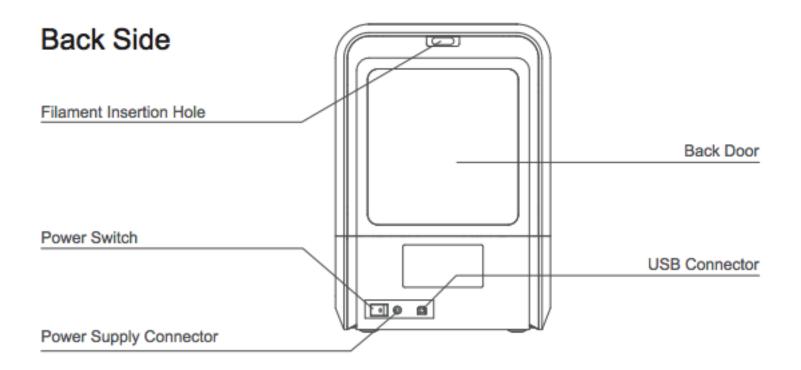
If you require any extra assistance to complete this induction please inform your facilitator at the beginning of the session.





ACTIVITY 2 - IDENTIFY 3D PRINTER COMPONENTS

Using the list of components on the right, identify each part by writing it in the relevant box.



COMPONENTS

Back Door

USB Connector

Filament Insetion Hole

Power Supply Connector

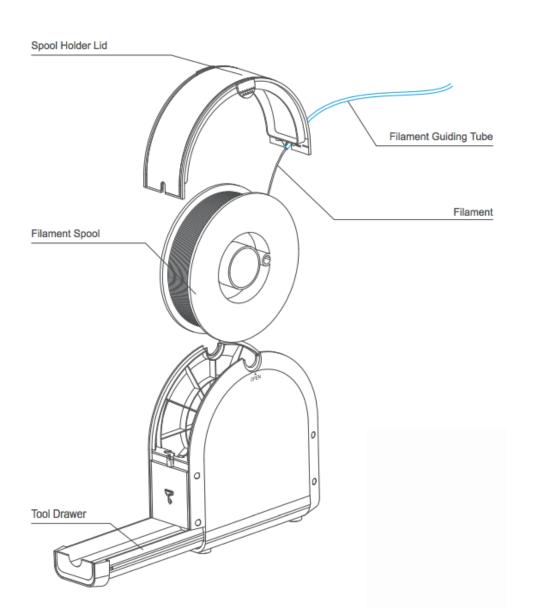
Power Switch





ACTIVITY 3 - IDENTIFY 3D PRINTER COMPONENTS

Using the list of components on the right, identify each part by writing it in the relevant box.



COMPONENTS

Filament

Filament Spool

Spool Holder Lid

Tool Drawer

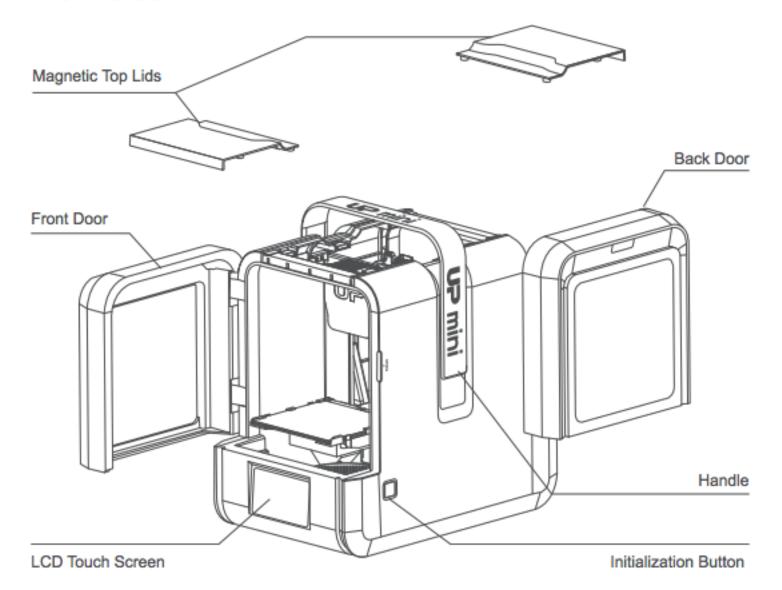
Filament Guide Tube





ACTIVITY 4 - IDENTIFY 3D PRINTER COMPONENTS

Front Side



COMPONENTS

Back Door

Handle

Magnetic Top Lids

Front Door

LCD Touch Screen

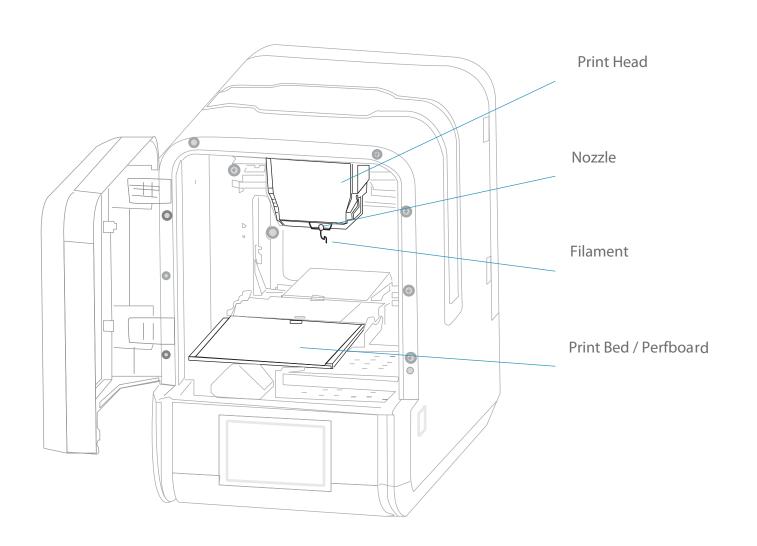
Initialisation Button





ACTIVITY 5 - IDENTIFY THE INTERNAL COMPONENTS

Using the list of components on the right, identify each part by writing it in the relevant box.



COMPONENTS

Print Head

Nozzle

Filament

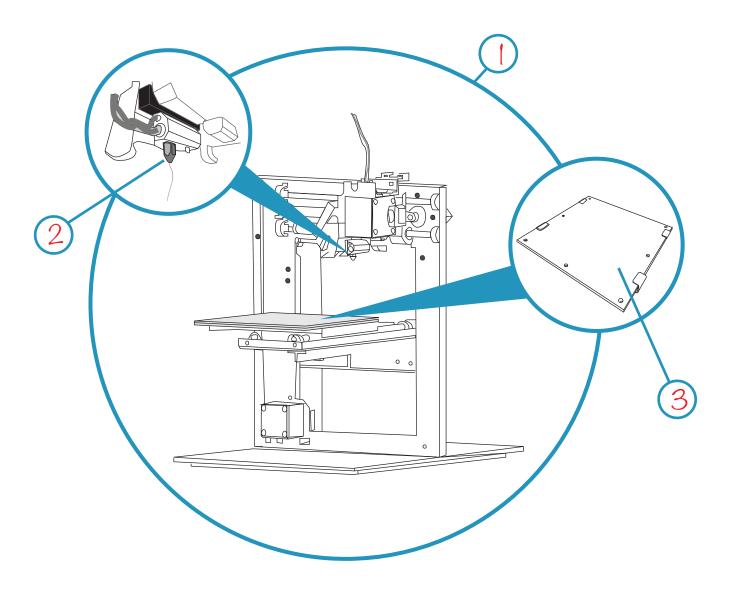
Print Bed / Perfboard





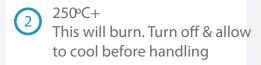
ACTIVITY 6 - IDENTIFY 3D PRINTER SAFETY/OPERATIONAL TIPS

Using the safety tips on the right, identify what component it relates to by writing the safety tip number in the relevant circle.



SAFETY/OPERATIONAL TIPS





Replace perfboard carefully.
If steppers slip the print will
need to be reinitialised

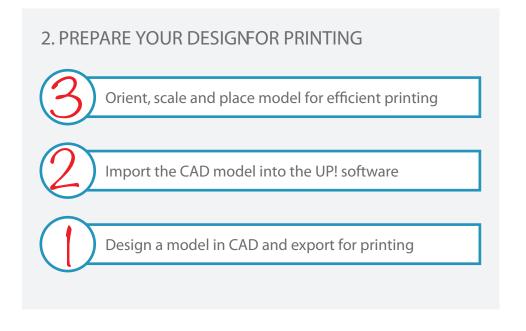




ACTIVITY 7 - 3D PRINTER WORKFLOW

We've identified four key stages in the 3D printing process. Each stage is listed below, with a number of consecutive steps. Put each step in the correct order, by placing a number in the corresponding circle.

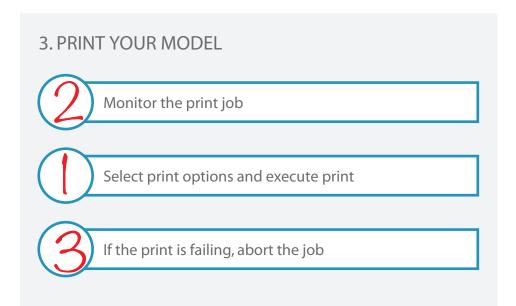
1. GET THE 3D PRINTER READY Check the 3D printer is extruding correctly Switch on and initialise the 3D Printer Check there is enough filament to complete the print Insert the perfboard into the print bed

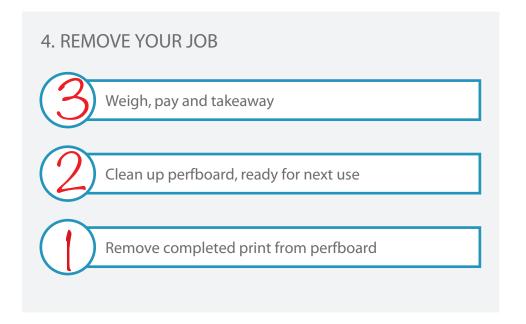






ACTIVITY 7 - 3D PRINTER WORKFLOW CONTINUED







THE EDGE 3D PRINTER INDUCTION





PEER ASSESSMENT

I confirm that the observations of my peer showed active participation in this inducation workshop and demonstrated a satisfactory understanding, including competent and safe use of the above tools.

Date Peer Assessor Peer Assessor Signature

FACILITATOR WORKSHOP OBSERVATION

I confirm that the observations made of the participant and active participation in this induction workshop demonstrated a satisflux burnling, including competent and safe use of the 3D printer.

Date Edge Facilitator Facilitator Signature

PARTICIPANT DECLARATION

I declare the assessment above was my own individual work.

Date Participant Signature

