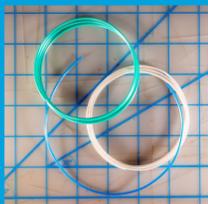




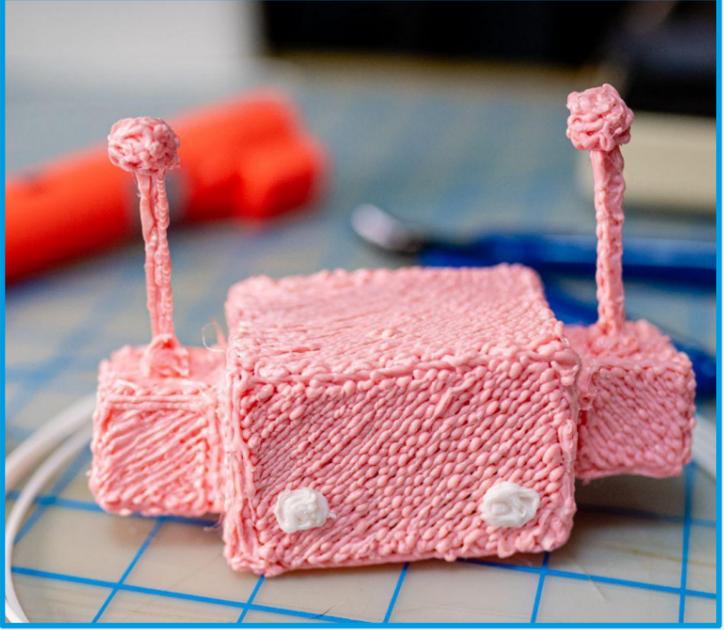
3D Pen

- Use a 3D Pen Safely
- Identify the Features of a 3D Pen
- Exchange filament and adjust speed

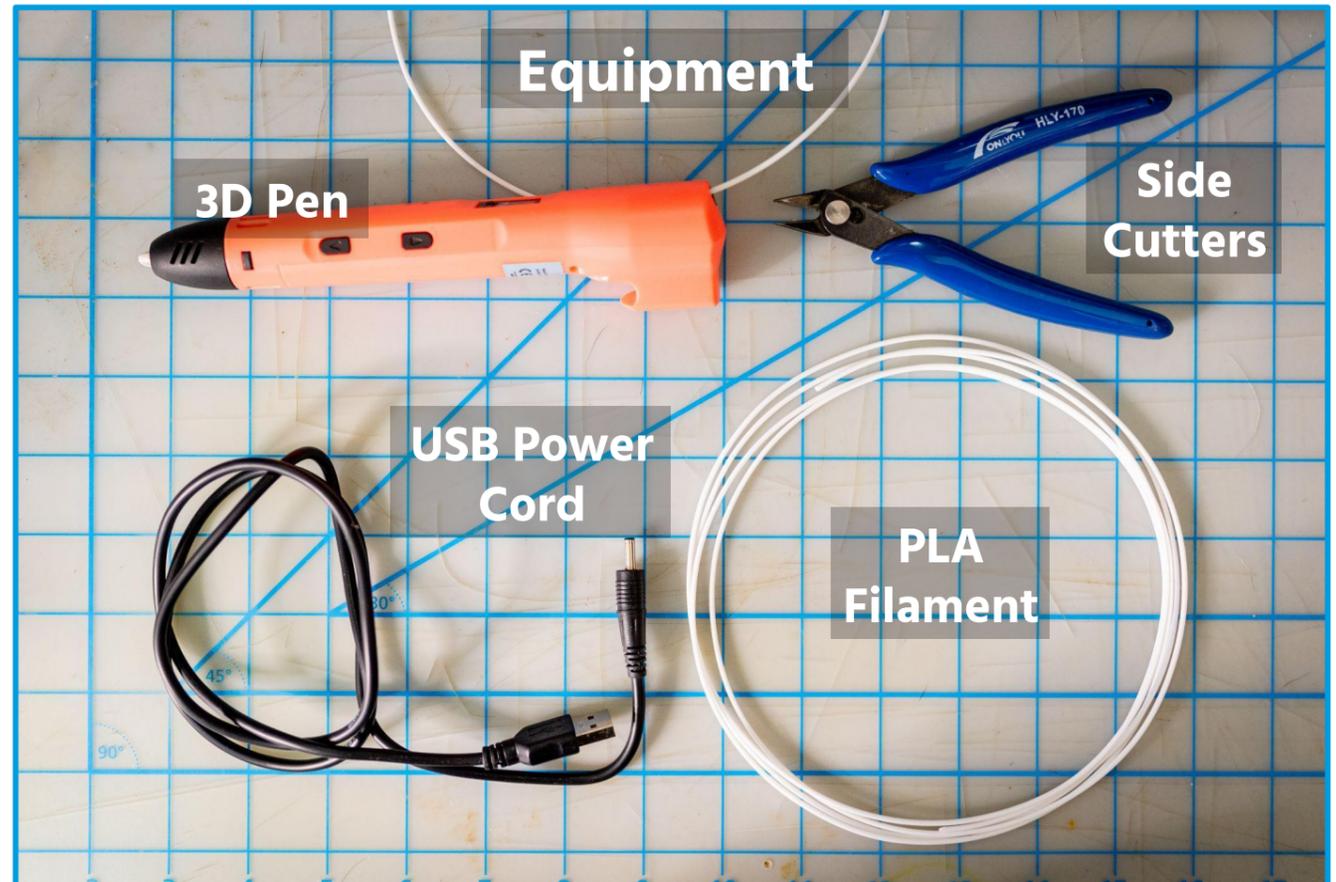
EQUIPMENT

			
3D Pen	PLA Filament	Power Adaptor	Accessories

A General Usage of 3D Pen 5 min



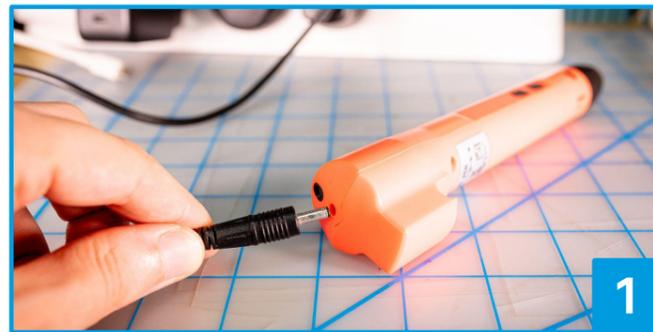
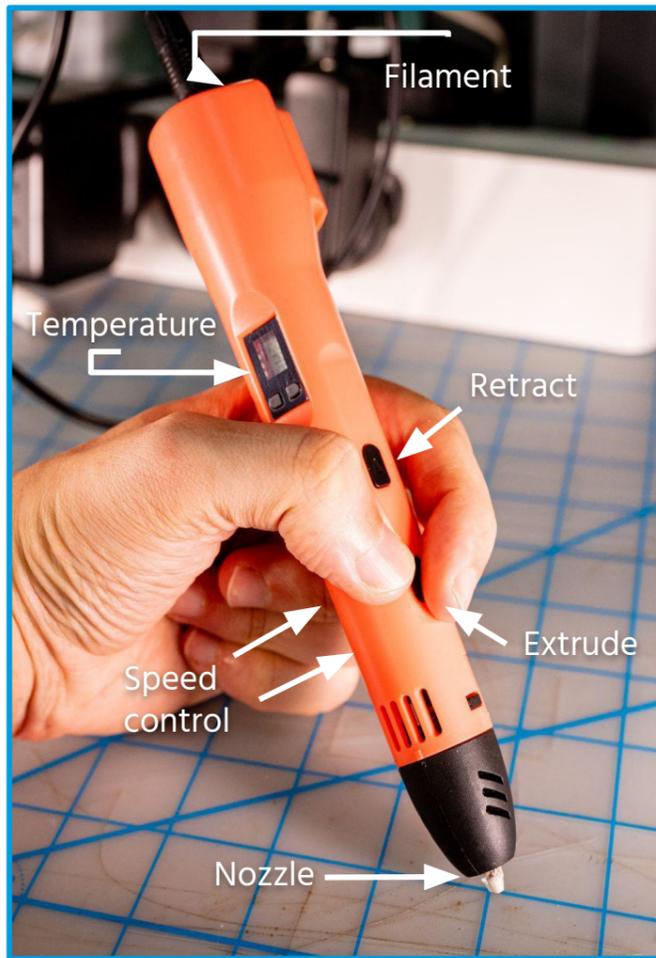
PLA (Polylactic Acid) Filament sticks to itself when melted. It can be used to “weld” different 3D pen parts together, be layered on top of itself to create thicker structures, or be used to repair 3D prints. The parts can be built on top of themselves to make 3D structures.



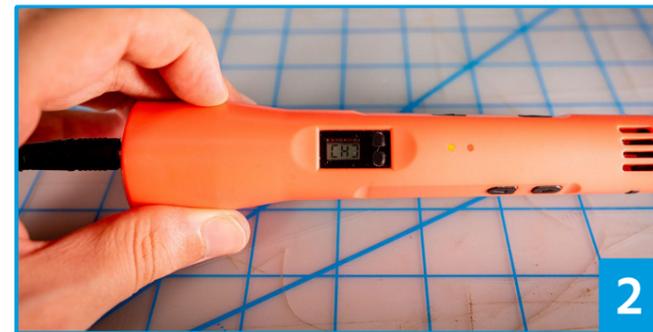
Your 3D Pen kit will have the following materials. Check to make sure everything is provided. Work in an uncluttered space, and be sure to print on the provided transparency.

B Setting up the 3D Pen

10 min



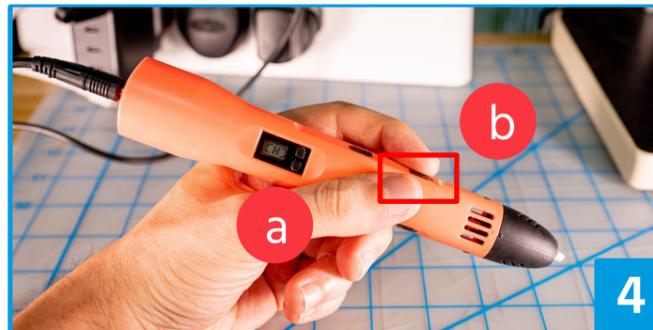
1 Connect the USB Cable to the adaptor and the indicator light will light up yellow.



2 Verify that the light is on. The LCD screen will show the temperature mode the 3D pen is in. H represents high temperature, and L represents low temperature.



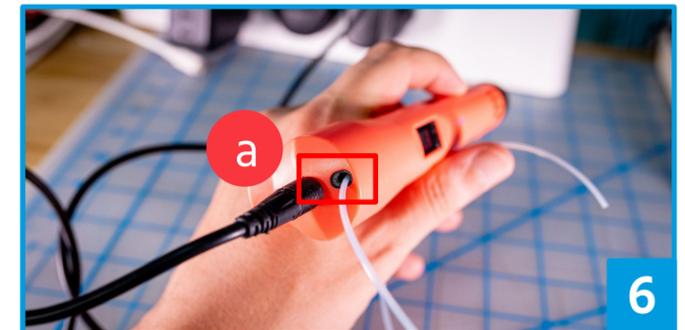
3 Select the appropriate temperature mode (H-PLA) by pressing the retract button [Big button beside indicator LEDs] until you see the letter H.



4 Adjust the temperature to over 185°C by pressing the temperature control button (a) up several times followed by the extrude button (b) to start heating.



5 Once the indicator turns from red to blue, your 3D pen is ready. You can feed the filament through the filament insert (a) and press and hold the extrude button to pull the filament in (b).



6 Insert the colour of filament of your choice into (a) before extruding. Make sure that it is all the way in - the 3D pen will pull the filament in if it's in far enough.

1. Turn on 3D Pen

2. Preheat 3D Pen to PLA Temperature

3. Insert desired filament into 3D Pen

4. Print!



NOTE: While Operating 3D Pen, do not touch the nozzle as it is hot. Wait 20-25 seconds before the filament comes out. Press and hold the extrude button to draw, and let go of the extrude button to stop. Draw with the nozzle slowly, and press directly against a transparency sheet. The slower your nozzle travels and the closer it is to your transparency surface, the better your result will be.



Use side cutters to cut away any excess material you don't want to include in your design.

Press and hold the retract button to purge filament out of the nozzle and exchange with different colours. Follow steps 5 and 6 to do so.