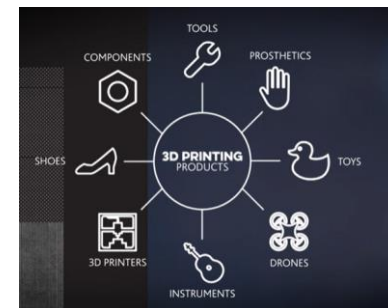


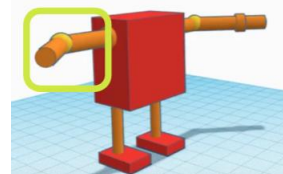
Vocabulary	Meaning
research	to go and find new information to answer a question
assemble	put together
model	something built to show how a final product could look
technology	machinery and equipment developed from the application of scientific knowledge
work plane	a virtual 2-dimensional surface
project	to begin something new and work on it
touchpad	an area on a device that you touch in order to move the cursor
control	the ability to influence something
navigate	to move around an area
manipulate	to control something
adjust	to change something slightly
position	a place where something is located or has been put
evaluate	to say the positives and negatives about something and suggest changes

Key Knowledge – What is 3D printing?

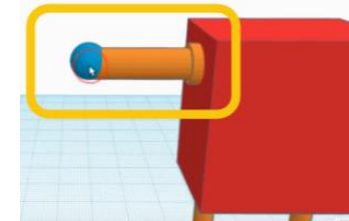
3D printing is an **additive process**. It works by using a **3D CAD model**, the model is broken down into **2D layers**. The computer then plots out the design with the printer. The printer then uses this design to print the layers and build up the design.



Key knowledge – Top tips!



Fit the pieces of the robot together trying to emulate moving parts through the objects they choose



When you create your robot ensure that you fit (overlap) your pieces so they are connecting.



Use the cube to rotate the workplace to be able to have a 360 degrees so you can see all positions of your robot.

Use the + and – arrows to zoom in and out of the 3D model

