

WEEK	TASK	TOP TIPS	TAKE IT FURTHER
1	Find the definitions and draw the symbols for LED, LDR, Fixed Resistor, Variable Resistor, Battery and Transistor.	Type in 'electronics technology student' into google, a very helpful website!	What is the function and purpose of these electronic components?
2	Write the definitions of current in your own words. Write this definition 5 times and highlight the word current. Ensure that current is spelt correctly.	Write the word current 5 times. Look, cover and write!	Do the same for the word voltage.
3	<u>Look, write, cover and check the words:</u> Copper, conductivity, LED, LDR, Fixed resistor, variable resistor, current, battery, power source, PCB, Motor, Lamp, Thermoplastic, Thermosetting Plastic	Write the word current 5 times. Look, cover and write!	Find the definition for conductivity.  Is conductivity a property of copper?
4	Research the properties of Copper. Why is copper used in electronics? Create a poster, leaflet or a PowerPoint slide that explains the properties of copper.	Remember properties explains how a material behaves or what it is like.	Link your learning of copper and electronics to science. How do they link?
5	Define the difference between a series circuit and a parallel circuit.	Use 'technologystudent.com' to help you.	Draw both a parallel and a series circuit into your knowledge organiser. Explain the difference.
6	Create a 6-step story board that describes how to solder a component to a PCB.	Use the keywords: soldering iron, solder, iron holder, components, PCB.	Can you convey the health and safety we have to consider through your storyboard?
7	Write a definition that describes what an 'alloy' is. Research the materials that make up solder, and describe why solder is an alloy.	An alloy and a composite material are not the same!	State 4 other materials which are an alloy.
8	We are using a thermoplastic called polypropylene. Research the properties of polypropylene. Research and explain the differences between a thermoplastic and a thermosetting plastic.	You can form thermoplastics again and again!	What are the benefits of a thermoplastic? Name 2 other thermoplastics.
9	Explain why solder is now lead free. Why is lead harmful to our health?	Research the health implications of lead.	Link this to your alloy work. What materials are there in solder now?
10	Describe what a net is. Draw a net for a 4-sided pyramid (with a ruler!)	Use a ruler to get a more accurate result.	Draw a 3 sided pyramid net.