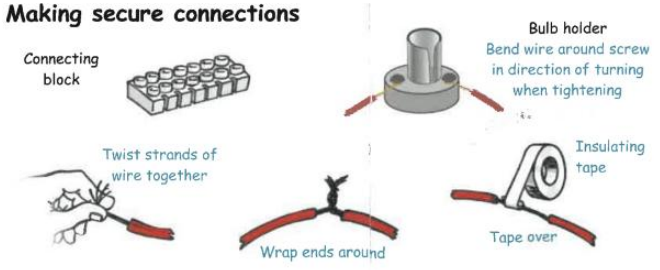
DT- Year 3- Simple Circuits

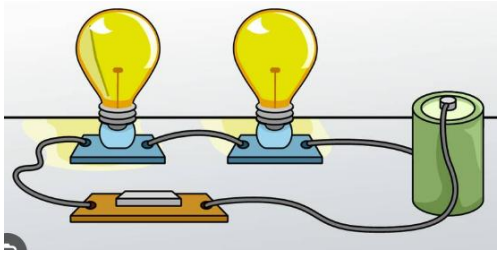
Main Learning: To understand that a simple electrical circuit needs a complete loop to make a bulb light and that electrical components such as bulbs, batteries and wires have different purposes in a simple circuit.

Key knowledge	
Use the skills in simple circuits	
Simple circuits	Understand that a simple electrical circuit needs a complete loop to make a bulb light.
	Understand that electrical components such as bulbs, batteries and wires have different purposes within a simple circuit.
	Understand that a bulb will only light when components are connected correctly in a complete circuit.

Vocabulary	
Electricity	A type of energy that powers things.
Circuit	A path that electricity follows around a loop.
Bulb	Lights up when electricity flows through it.
wire	Connects the parts of a circuit and carries electricity.
Complete circuit	A circuit with no gaps, allowing electricity to flow.







To think like an designer, I will need to…					
	Explore existing decorative products to see how circuits are used to create light.	Use annotated sketches to develop ideas	Demonstrate the skills needed to connect electrical components accurately to create a working simple circuit.	Demonstrate skills in scoring, cutting and assembling the end product.	Evaluate product against the intended purpose