Year 4 Science Knowledge Organiser What can electricity do?



Star Vocabulary

The flow of an electric	
current through a	
material.	
To make or produce.	
A source of electricity	
that will not run out.	
This source energy will	
eventually run out and	
so will no longer be able	
to make electricity.	
A piece of equipment or	
a device designed to	
perform a particular job.	
A device that stores	
electrical energy as a	
chemical.	
A pathway that	
electricity can flow	
around. It includes wires	
and a power supply and	
may include bulbs,	
switches or buzzers.	
	material. To make or produce. A source of electricity that will not run out. This source energy will eventually run out and so will no longer be able to make electricity. A piece of equipment or a device designed to perform a particular job. A device that stores electrical energy as a chemical. A pathway that electricity can flow around. It includes wires and a power supply and may include bulbs, switches or buzzers.

Know similarities and differences in relation to places, objects, materials and

Use recognised symbols when representing a simple circuit in a diagram.

Some materials let electricity pass through them easily. These are known as **conductors**. Many metals are good electrical conductors such as copper, iron and steel.



Some materials do not let electricity pass through them. These materials are known as **insulators.** Plastic, wood, glass and rubber are good electrical





Electricity can only flow around a complete circuit with no gaps. There must be wires connected to both the positive and negative end of the power supply/battery.



Progression