Science Knowledge Organiser

Rebuilding Britain

I already know:

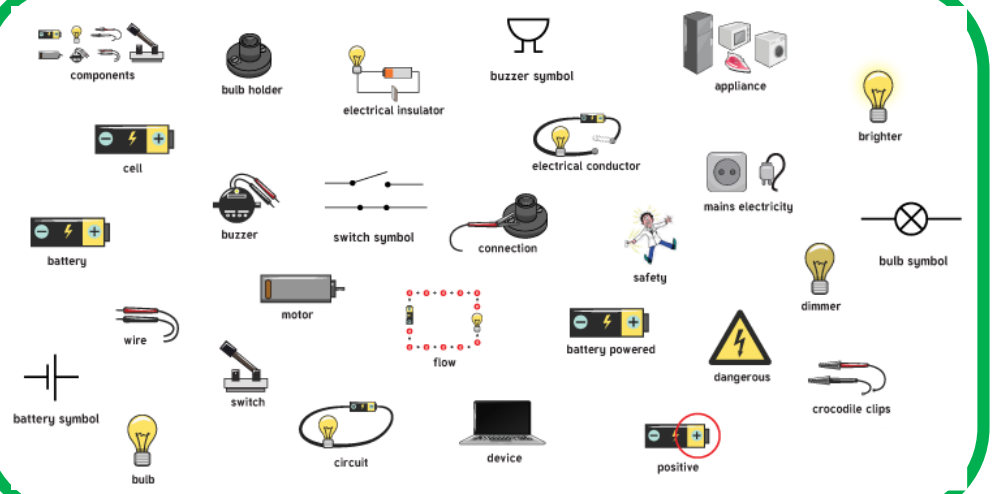
- How to identify and name appliances that require electricity to function.
- How to construct a series circuit.
- To identify and name the components in a series circuit (including cells, wires, bulbs, switches and buzzers)
- How to draw a circuit diagram.
- How to predict and test using lamps in circuits.
- The function of a switch in a circuit.
- The difference between a conductor and an insulator.

Key Vocabulary:

current	the flow of tiny particles called electrons through a wire or other material
battery	used to store chemical energy
cell	a single unit that is needed for electricity to flow around a circuit
circuit	a route through which electricity flows.
switch	used to stop the flow of electricity in a circuit
voltage	a measure of how strong the current is in a circuit
resistance	a measure of how hard it is for electricity to pass through a component

I will learn:

- how the number & voltage of cells in a circuit links to the brightness of a lamp or the volume of a buzzer.
- to compare and give reasons why components work and do not work in a circuit.
- to draw circuit diagrams using correct symbols.
- how to carry out a fair investigation and what a degree of trust means.



Year 6 Summer 1