It is very important to be safe with electricity.

Electricians are trained to be safe with electrical circuits and equipment.

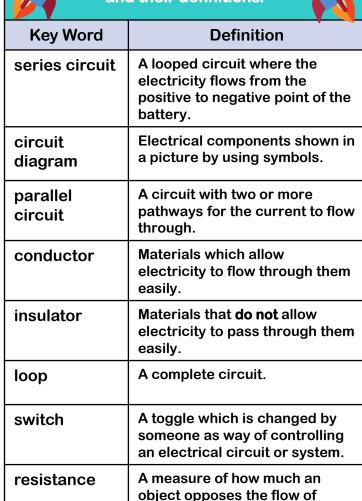


## WHS Y4 Electricity Knowledge Organiser

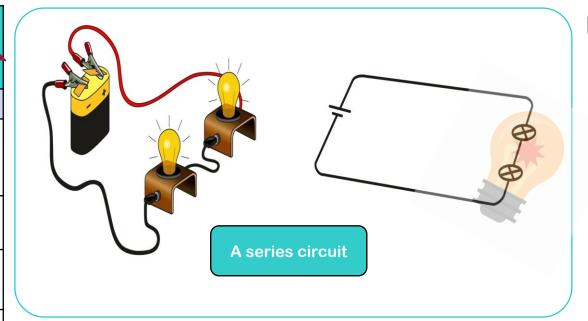
Most **metals** are good conductors of electricity and materials like **rubber** are good insulators.

## **KEY WORDS**

Learn these words and their definitions.



electrons.



## **Prior learning**

 Children know about similarities and differences in relation to places, objects, materials and living things. They talk about the features of their own immediate environment and how environments might vary from one another. They make observations of animals and plants and explain why some things occur and talk about changes. (Early Learning Goal)

## **Future learning**

- Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. (Y6 - Electricity)
- Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. (Y6 - Electricity)
- Use recognised symbols when representing a simple circuit in a diagram.
   (Y6 Electricity)



We can identify common appliances that run on electricity.

We can recognize some common conductors and insulators, and associate metals with being good conductors.

We can recognize that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a series circuit.

We can identify whether a lamp will light in a series circuit, based on whether the lamp is part of a complete loop with a battery.

We can construct a series circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.