

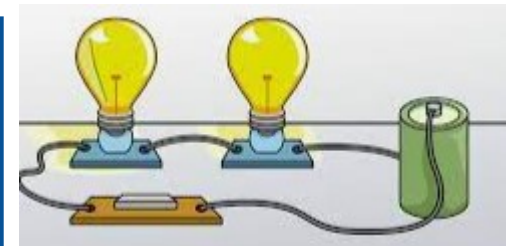
## Year 6 ELECTRICITY

### Science Knowledge Organiser

*Knowledge*

*Skills*

*Vocabulary*



#### Knowledge

#### Progression

What makes an electrical circuit?

How do we use symbols & diagrams to represent an electrical circuit?

How do volts affect brightness / loudness?

How can we use electricity to design our own product?

How can we keep safe around electricity?

#### Curriculum Coverage

- Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- 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
- Use recognised symbols when representing a simple circuit in a diagram.

#### Skills Progression

To be able to identify scientific evidence that has been used to support or refute ideas or arguments.

To be able to plan an enquiry that will answer a question.

To be able to record data

To be able to present findings from an enquiry.

To be able to recognise which secondary sources will be most useful to research ideas.

#### Scientific vocabulary

Electricity, volts, circuit, battery, bulb (lamp), bulb (lamp) holder, buzzer, crocodile clip, leads, wires, switch, brighter, duller, slow, fast, quiet, loud, conductor, insulator

#### Scientific enquiry

What affects the brightness of a lamp or the volume of a buzzer? How do different components of a circuit function? How do we use recognised symbols when representing a simple circuit in a diagram?

