## **Year 6 Spring Term**

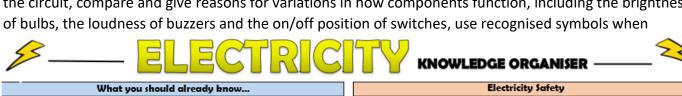
## **Electricity**

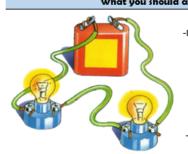
## Prior knowledge learned in year 4

identify common appliances that run on electricity, construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers, identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery, recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit, recognise some common conductors and insulators, and associate metals with being good conductors

## National Curriculum for year 6

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





- Electricity is a type of energy.
- -It is used to power lots of different things, including many items that we use in everyday life.
- Electricity can flow through wires and cables, and can be stored in batteries (sometimes called cells).
- -Electricity can flow in simple series
- Some materials conduct electricity, and others do not (insulators).



