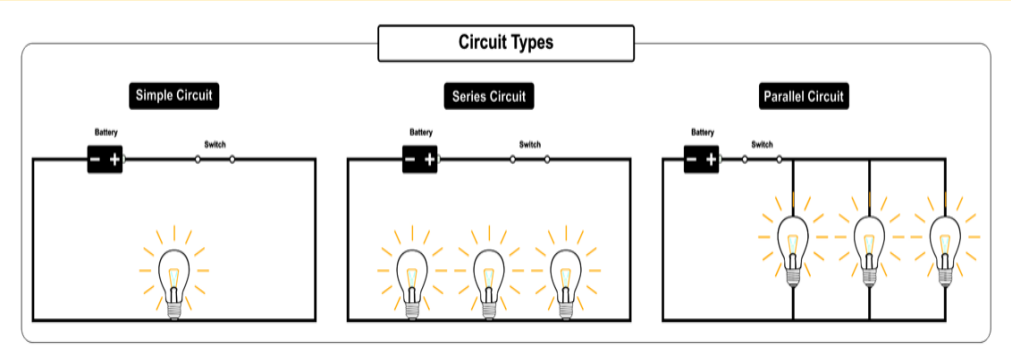
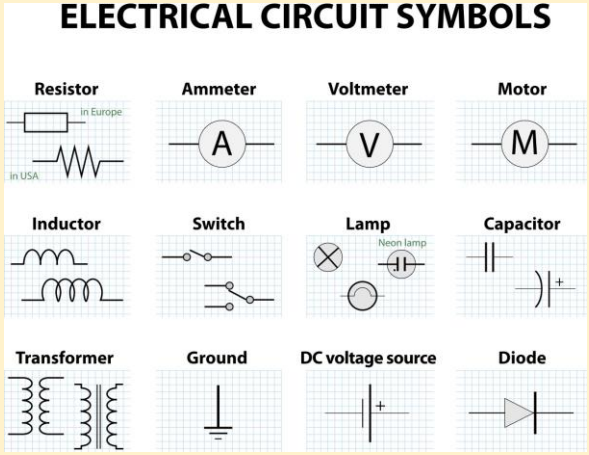
Science	Electricity	Year 6

Key Vocabulary

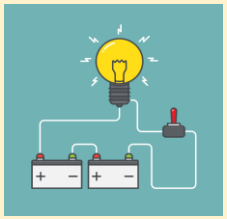
WORD	DEFINITION
Battery	a source of energy in an electrical circuit
Circuit	a compete path which allows electricity to flow
Conductor	materials which allow electricity to flow through them easily
Dimmer switch	a light control which allows you to change the brightness of a light
Electricity	a form of energy
Insulator	materials that do not let electricity pass through them easily
Output	the amount of something produced (e.g., brightness of a bulb)
Resistor	a component that reduces electric current flow
Signal	an electrical impulse transmitted or received
Variable resistor	a component which varies the amount of electric current flow

Key Knowledge



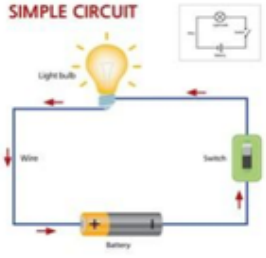


Adding more cells (batteries) to a circuit will make bulbs **brighter**, buzzers **louder** and motors **faster**.



Electrical Conductors -electricity can pass through easily	Electrical Insulators -do not let electricity pass through
-Copper	-Rubber
-Iron	-Wood
-Steel	-Plastic
-Silver	-Paper
-Gold	

Wires are always drawn with a **straight line** using a **ruler** in scientific diagrams.



The **current** flows from negative to positive. There are no gaps - it is a **complete** circuit and the bulb lights up.