

# Science Year 6 Spring 2: Electricity

Key vocabulary to learn and use in my learning.

Word	Definition
circuit	A complete route that a current can flow around.
motor	Converts electrical energy into mechanical energy.
amps	How electric current is measured.
tilt switch	Open and loses when a small amount of mercury connects electrodes to close the circuit.
two way switch	Having two switches in different locations to control one lamp.
resistor	A device having resistance to the passage of an electric current.
series circuit	A closed circuit in which electricity follows one path.
current	A flow of electricity through a wire or circuit.
voltage	An electromagnetic force expressed in volts.

Key knowledge to learn

Circuit symbols	
Symbol	Component
	ammeter
	battery
	bulb
	buzzer
	cell
	motor
	resistor
	switch (open)
	switch (closed)



**Peter Rawlinson**—is a British born engineer now based in California. A chief engineer with Tesla, he was instrumental in working on developing one of the first modern electric cars, the Model S.

A series circuit has only one route for a current to take. If more bulbs or buzzers are added, the power has to be shared and so they will be dimmer or quieter. If just one part of the series circuit breaks, the circuit is broken and the flow of current stops.

