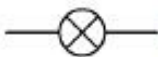







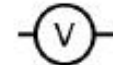

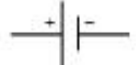

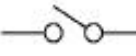

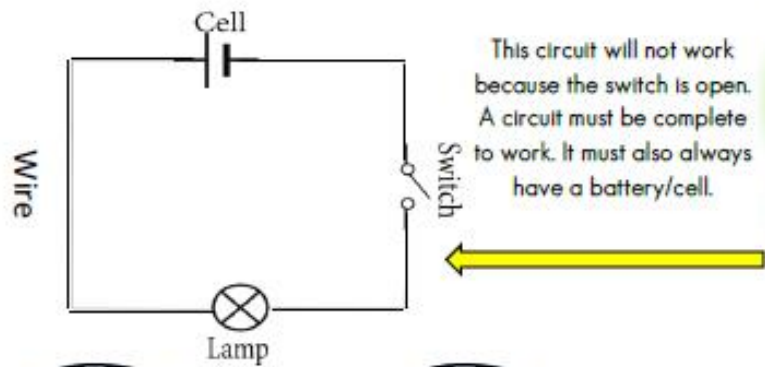



ELECTRICITY


		BULB
		BUZZER
		MOTOR
		WIRES
		VOLTMETER
		BATTERY/CELL
		SWITCH



An electrical conductor lets electricity pass through. They are often metals but it also includes water.



An electrical insulator does not let electricity pass through.



Current: this is the amount of electricity flowing through the circuit (a flow of electrons moving in a loop in the circuit). It is measured in amps.

Voltage: is the difference in electrical energy between two parts of a circuit. It is measured in volts. The bigger the voltage, the bigger the current.

- 1.) If you make the wires longer, the bulb will get dimmer. This is because there is more resistance.
- 2.) If you add more bulbs, the bulbs get dimmer. This is because there is also more resistance.
- 3.) If you add more batteries, the bulbs will get brighter. This is because there is less resistance and a greater current.



DANGER! HIGH VOLTAGE!
Electricity is everywhere so always be safe. Be careful of mains switches, open sockets and any signs to do with electricity. The human body is 80% water so it conducts electricity. If someone has had a shock always turn the electricity off first, then call for help!



Maths

In maths children will learn to simplify and find equivalent fractions. Children will be adding, subtracting, multiplying and dividing fractions. We will be converting fractions to mixed numbers and improper fractions. Additionally we will be finding fractions of amounts. Later in the term we change topic to Position and Direction where we will look at two and four quadrant grids, translations and reflections.

English

In English children will be studying and writing chapters of a non-linear quest story. They will develop techniques to enable them to describe settings and characters. They will continue to build upon their knowledge of grammar by using passive voice and adverbial phrases. The children will also be writing diaries later in the term.

In art children will be developing their skills with sculpting clay. They will be designing and making their very own dragon eye.

Computing

In computing children will learning how to code using a scheme in Purple Mash. They will make a variety of games using progressively complex algorithms.

PE

In PE children will be partaking in MK virtual festivals and competitions. The children will have activities and skills to learn and achieve the best score they can in the allotted time.

PHSE

In PHSE children will be following Kwan's story and looking at the consequences of the choices he makes in a variety of circumstances.