Alder Coppice Primary School — Knowledge Organiser

Subject : Science	Year: 6	Unit 2: Electricity	Links to: Y4 Electricity

What I Should Already Know:

That electricity is a form of energy.

It can be mains or battery.

Items use mains, battery or both kinds of electricity.

How to make a simple circuit.

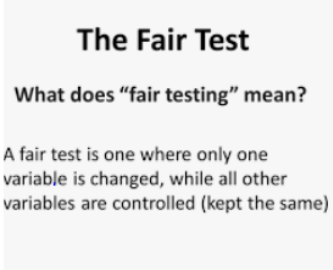
Subject Vocabulary:

Fair test

Constant

Variable

Hypothe-sis



Unit Specific Vocabulary:

Bulb – a glass lamp that provides light by passing an electrical current through a filament

Buzzer – An electrical device that makes a buzzing sound, used for signalling

Battery/cell – A device which contains energy used for generating electrical energy

Circuit – A complete and closed path that a circulating electrical current can flow through

Component - The individual parts that are put together to make the circuit

Conductor – A material or device that electricity (or heat) can flow through

Current - A flow of electricity charge through a conductor

Electricity – A form of energy caused by electrons moving to make a current

Filament – A conducting wire or thread with a high melting point that is part of an electric bulb

Insulator – a material that does not electricity (or heat) does not pass through

Motor – A component which converts electricity into movement

Static – lacking in movement (not moving)

Switch – A device for making or breaking the connection in a circuit

Wire - The material through which electricity passes between components

Skills & Enquiry:

- Testing for electrical conductors and insulators
- What happens when we change the wires in a circuit
- Working scientifically—use our knowledge and skills to create a simple electrical game

What I should know by the end of the Unit:

- That electricity is converted into heat, light, movement or sound.
- That electricity can be man-made or natural.
- Names of electrical conductors and insulators.
- Common electrical components
- Universal circuit diagram symbols and how to use them.
- How to create a simple electrical game

Key Facts :