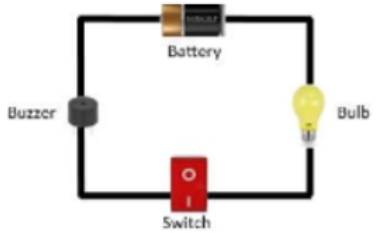
Electricity Knowledge Organiser

REED FIRST SCHOOL

Vocabulary	Meaning
Switch	A switch can be added to a circuit to turn a component on and off. It allows the electricity to flow or stops it.
Conductor	A material that allows electricity to pass through such as copper.
Insulator	Opposite to a conductor, an insulator is a material that does not let electricity pass through. An example of this is wood.
Mains	The electricity supplied to houses from power stations.
Electricity	A form of energy used to make things work such as lighting.
Cell	A cell is a single unit and a battery is a collection of cells.
Electrical circuit	This consists of a cell or battery connected to a component using wires.
Electrical appliance	A machine or device that requires electricity to work. An example is a toaster.

This circuit will not work as it is not complete.

This circuit is complete so the buzzer will sound and the bulb will light.



Sticky Knowledge

- Many household appliances run on electricity. Some plug in to the mains and others run on batteries.
- An electrical circuit consists of a cell or battery.
- Metals are good conductors so they can be used as wires in a circuit.

What we will be learning:

- Identify common appliances that run on electricity.
- Construct a simple series electrical circuit.
- Identify and name basic parts
- Conductors and insulators
- Recognise a switch opens and closes a circuit.
- Complete and incomplete circuits.

We will develop these working scientifically skills:

Explaining results (what we found out)

Setting up enquiries and choosing equipment

Observing

Appliances that run on electricity

Some plug into the mains and others run on batteries.