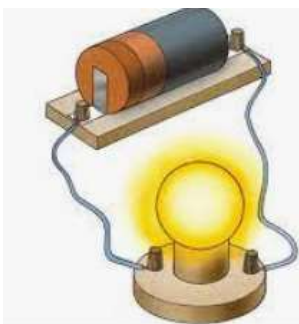


In science we are learning about...

# Electricity

## Key vocabulary

- **electricity**- a form of energy resulting from the existence of charged particles
- **cell**- a device that is used to generate electricity
- **wire**- flexible conductor used to carry electric current in a circuit
- **buzzer**- an automatic signalling device. They are used as alarms and door bells.
- **switch**- an electrical component that can 'make' or 'break' an electrical circuit.
- **motor**- a machine powered by electricity that supplies power for another device with moving parts
- **battery**- a device that stores chemical energy and makes it available in an electrical form
- **series circuit**- of a single pathway through which electricity can flow
- **conductor**- object or type of material that allows the flow of an electrical current in one or more directions
- **insulator**- materials that do not allow electricity to flow through them

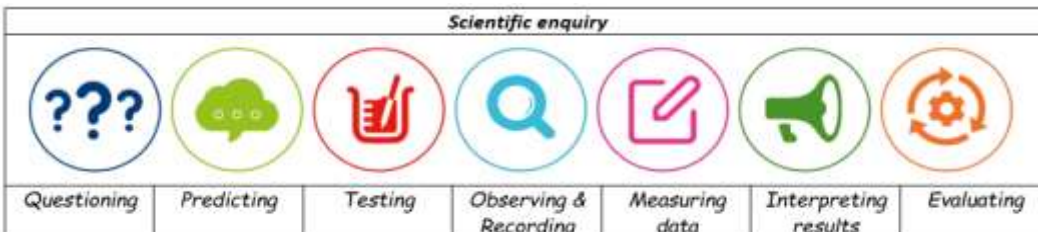


## Sticky knowledge

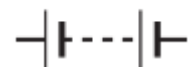
- To know and name appliances that run on electricity.
- To know that a simple series circuit needs: a cell, a bulb/motor/buzzer and some wires.
- To know that a switch opens and closes a circuit and allows electricity to run through.
- To know that a conductor allows electricity to pass through it and an insulator does not allow electricity to pass through it. I know that an example of an insulator is wood and rubber



### Scientific enquiry



battery



## Links to previous learning

- EYFS- Explore how things work.in
- Year 1 -describe the simple physical properties of a variety of everyday materials



## Aspirations

- Electrician
- Cable splicer
- Construction engineer



## Characteristics needed for this topic:

- Risk taking
- Making links
- concentration

