

# Y4 Let it Glow (electricity)



## End Points:

- Understand how to make a working circuit.
- Investigate what causes a circuit to not work correctly.
- Know where electricity is generated and how this may impact the environment.
- Investigate which materials function as conductors and which as insulators.

## Prior Learning

## Future Learning

N/A

Use a wide range of formal circuit symbols to make and produce diagrams for more complex circuits.

Understand the difference between voltage and current.

Build and use parallel circuits.

## How you can help at home:

- Discuss how to stay safe with electricity around the home.
- Gather appropriate materials to make a light up Christmas decoration in school in December.

## Key Vocabulary

Word	Definition
bulb	A light source that lights up when current passes through it.
battery	A source of electricity, which can be used to power a circuit.
battery holder	A plastic device which holds the battery.
circuit	A path through which electrical current flows.
component	A path through which electrical current flows
insulator	A material which prevents the flow of electricity.
conductor	A material which allows electrical current to flow through it.
appliance	A device that is powered by electricity, e.g. an electric toaster.
current	A flow of electrons through a material.
electricity	A form of energy resulting from particles having a charge

	Effective Communicators	Creative thinkers & problem solvers	The ability to make connections and comparisons	Valuable members of a community	Understanding change, capable of changing and accepting change
	Respect	Positivity	Kindness		