

Y4 Let it glow (electricity)



Key Learning Objectives:

- 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.



How you can help at home:

- Talk about learning in school.
- Discuss how to stay safe with electricity around the home.
- Gather card and decorative materials to make a light up Christmas decoration in school in December. We will supply all electrical components.



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	Part of a circuit, e.g. light bulb or battery.
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, for example an electric toaster.
current	A flow of electrons through a material.
electricity	A form of energy resulting from particles having a charge.