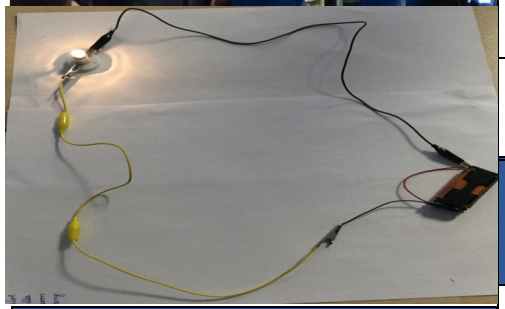
Happy Children, Happy School,
Learning Together, Growing Together

Y6 Light and Electricity



End Points:

- Understand that objects are seen because they give out or reflect light into the eye
- Know that light travels in straight lines
- Compare and give reasons for variations in how components function
- Use recognised symbols when representing a simple circuit in a diagram

Prior Learning ⇦

Y3:

Understand that light is needed to see and that electricity can be dangerous.

Future Learning ⇨

Secondary:

Understand that light travels in waves and is made up of different frequencies.

How you can help at home:

- Investigate shadows at different times of the day.
- Look at where electricity is used.
- Discuss how to stay safe with electricity.

Key Vocabulary

Word	Definition
light source	where light comes from
reflection	light bouncing off a surface
periscope	a long tube that contains lenses and mirrors and that is used to look over or around something
cell	a device that delivers an electric current
component	an individual part of a circuit
circuit	a path of linked components around which electricity can flow
series circuit	a series circuit is a closed circuit in which the current follows one path
current	the rate of flow of electric charge
voltage	the force of the electrons around a circuit
electron	a very small particle that has a negative charge of electricity

Key Concepts

- 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