

# Y6 Light and Electricity



## Key Learning Objectives:

### Light

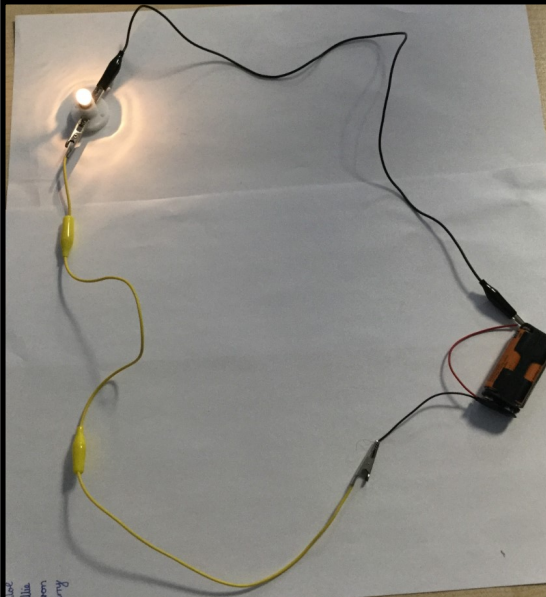
- recognise that light appears to travel in straight lines
- explain how we see things
- explain why shadows have the same shape as the objects that cast them

### Electricity

- understand how an increase in voltage affects other components in a circuit
- compare and give reasons for variations in how components function within a circuit

## How you can help at home:

- Investigate shadows at different times of the day.
- Read books and websites together.
- Look at where electricity is used in the home.
- Discuss how to stay safe when using electricity.
- Discuss learning from previous years.



## Key Vocabulary

Word	Definition
light source	where light comes from
reflection	light bouncing off a surface
cast	to make or form e.g. cast a shadow (form a shadow)
periscope	a long tube that contains lenses and mirrors and that is used to look over or around something e.g. by a person in a submarine to see above the surface of the water
cell	a device that delivers an electric current
component	an individual part of a circuit
circuit	a roughly circular line, route, or movement that starts and finishes at the same place
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