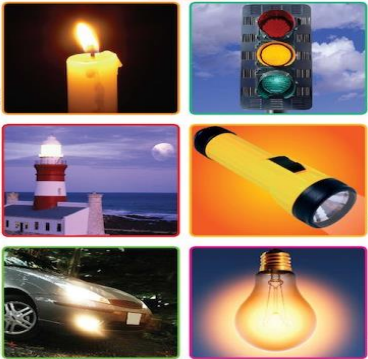


# Year 4 – Light and Sound

In this project, you will learn all about the different aspects of light and sound. We will also be exploring electricity and creating our own electrical circuits!



Electricity

- Electricity is something that is used to power lots of household devices and appliances. Some devices plug into the mains and others use batteries.
- An electrical circuit creates a power source using a battery. It consists of a cell (battery), component and wires.

Key questions we will be exploring:

- How do we see?
- What is darkness?
- How are shadows formed?
- What is sound?
- How do we hear sound?

What is light?

We see light because our eyes can sense it. Light can come from lots of sources like the sun, lightbulbs and candles.

What is sound?

A sound source creates vibrations that travel from the source to our ears. Solids, liquids and gases can carry sound. The vibrations cause elements of our ears to vibrate which allows us to sense and hear the sound.

Vocabulary

sound  
vibration  
pitch  
opaque  
translucent  
transparent  
shadow  
reflection  
light

Prior Knowledge

- Exploring how things work and talking about differences in materials and changes you notice.
- Describing what you can see, hear, and feel whilst outside.
- Identifying, naming, drawing and labelling the basic parts of the human body and saying which part of the body is associated with each sense.
- Describing the simple physical properties of a variety of everyday materials.

