

Topic: Light

Term:

Year 3

Duration: weeks



Eden Park Primary School Knowledge Organiser



Prior Knowledge

I look closely at similarities and differences between things in the world.

I explore and notice patterns in the natural world e.g. all the birds we can see in the sky have wings.

The Powerful Knowledge we will take away from this science topic:

- I can name some sources of light?
- I can recognise features of day and night, including temperature.
- I can recognise electricity can create a source of light.
- I can recognise a shadow (observe and describe).

Word	Meaning
Light	Allows us to see
Dark	Absence of light
Shadow	Made by blocking light
Sun	Gives us daylight
Moon	Reflects light at night
Electricity	Lights bulbs and screens
Transparant	Allows light through – can see through it.
Translucent	Allows some light through
Opaque	Blocks the light – does not let it through.
Bright	Giving out much light.
Dim	Not shining brightly.

Investigation

Shadow Puppets-Test how their shadows change when closer or farther from light source.

Working Scientifically

Gather and record data about similarities, differences and changes.

Suggest possible improvements.