

Key threads

Physic	Working scientifically
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Whole-school definition of science

Science is a way to understand our world by carefully thinking about it and testing our guesses with observations and experiments.

Enquiry

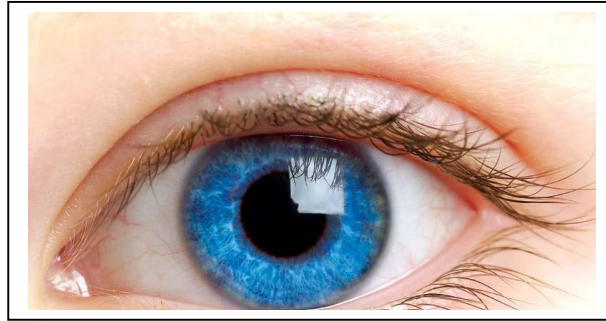
To notice patterns.

Working scientifically

To record findings in a variety of ways.

To identify similarities, differences and changes.

Can you see me?



New Knowledge (what we are going to learn)

To explore how we need light to see things.

To investigate how different objects reflect different amount of light.

To design and produce reflective strips for night safety.

To explain how a mirror works and describe how images in mirrors may look different.

Prior knowledge (what we all ready know)

We know that we use our eyes to see things.

We can group bright and dim objects.

New vocabulary and definition

Shadow – A dark area or shape produced by an object

Reflect – When light bounces off an object

Opaque – Not able to be seen through

Translucent – Allows light but not detailed shapes to pass through

Transparent – Allows light to pass through

Ultraviolet – Having a wavelength shorter than that of the violet end of the visible spectrum

Luminous – Giving off light, bright or shining

Infrared – Having a wavelength just greater than that of the red end of the visible light spectrum.

Useful vocabulary

Light – Natural agent that makes things visible.

Dark – With little or no light

Mirror – Reflects a clear image

Bright – Filled with and giving off much light

Eye- An organ that gives sight in humans and animals

Dim – Not well lit.