

Year: 3

Term: Autumn 2

Topic: Light

Important Facts:

- We see objects because our eyes can sense light
- Dark is the absence of light
- Some objects are light sources
- Objects are easier to see if there is more light
- Some surfaces reflect light
- The light from the sun can damage our eyes
- We can protect our eyes by wearing sunglasses
- Shadows are formed on a surface when an opaque or translucent object is between a light source and the surface and blocks some of the light
- The size of the shadow depends on the position, source, object and surface

Key concepts / diagrams:

Natural light sources:



Manmade light sources:



Shadow formation:



Vocabulary:

light source	an object that makes its own light
surface	the outside or top layer of something where light can bounce off or be blocked
shadow	a dark shape made when an object blocks light from reaching a surface
reflect	when light bounces off a surface instead of passing through it
mirror	a smooth, shiny surface that reflects light clearly
sunlight	light that comes from the Sun

Working Scientifically:



pattern seeking

- Make careful observations, using sensors to take measurements.
- Measure length in standard units using rulers