

## Year 3 Knowledge Organiser: Light

### Skills

- recognise that to see objects there needs to be light and dark is the absence of light
- To classify objects as transparent, translucent or opaque dependant on the amount of light travelling through the
- find patterns in the way that the size of shadows change
- To classify materials as reflective or non-reflective

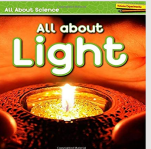
### Knowledge

- to know that light can come from a variety of sources both man made and natural.
- To know that to see an object light is reflected from its surface and into the eye
- To know that light from the Sun can be dangerous and eyes need to be protected
- To know that shadows are formed when an object blocks the path of light

# Light: Year 3 Science Knowledge Mat

## Exciting Books

All about Light (All about Science) Paper back – 1 Jan 2016  
by Angela Royston  
(Author)



## Useful Websites

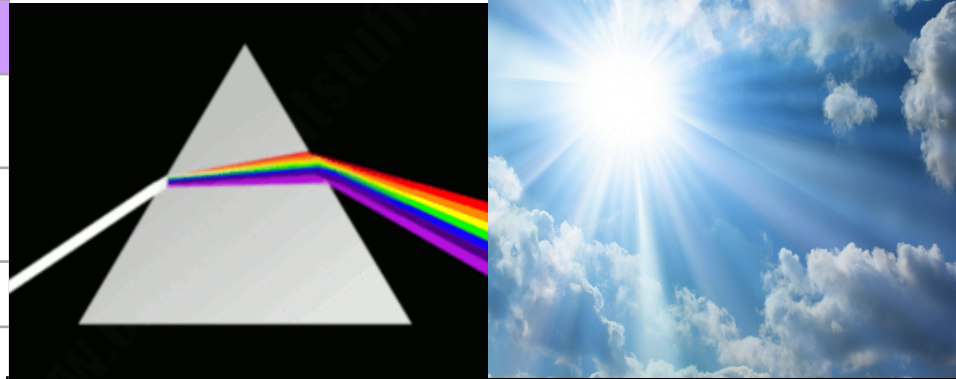
<https://www.bbc.co.uk/bitesize/topics/zbsgk7>

<https://www.ducksters.com/science/light.php>

<https://www.youtube.com/watch?v=1PsHHKwtXQU>

## Subject Specific Vocabulary

<b>Light</b>	Something that makes us able to see things
<b>light source</b>	something that gives out light e.g. the Sun
<b>dark</b>	where there is no light
<b>absence of light</b>	when it is dark
<b>transparent</b>	Can be seen completely through
<b>translucent</b>	light can be seen through it a little bit
<b>opaque</b>	can't be seen through at all.
<b>shiny</b>	Having a glossy polished surface
<b>matt</b>	Dull non shiny surface
<b>surface</b>	the outside of an object
<b>shadow</b>	created behind an object is between the path of light
<b>reflect</b>	Light bounces off a surface
<b>mirror</b>	Smooth surface that reflects an image
<b>sunlight</b>	Light emitted (coming)) from the Sun
<b>dangerous</b>	Likely to cause harm, not safe



## Facts about Light

The light from the Sun can damage our eyes if we look directly at it. We should wear sunglasses to protect our eyes.

Light travels in straight lines.

Our eyes see objects because the light reflects off the surface.

Some objects are more visible because the surface is more reflective.

If there is no light, we can't see anything.

Shadows are created when objects get in the way of path of the light.

The Sun is the largest natural light source