



# LKS2 Spring Cycle 1



## Science Knowledge Organiser

### Light and Shadows

Concepts: function, cause and effect

**Shadows**

A dark area caused by an object blocking the light source.

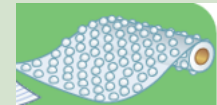



**Opaque**

Unable to see through


**Translucent**

Allows a little bit of light through an object so you can see through it.



**Transparent**

Allows a light source to pass through and you can see through it.



**Knowledge**

**Famous Scientist**

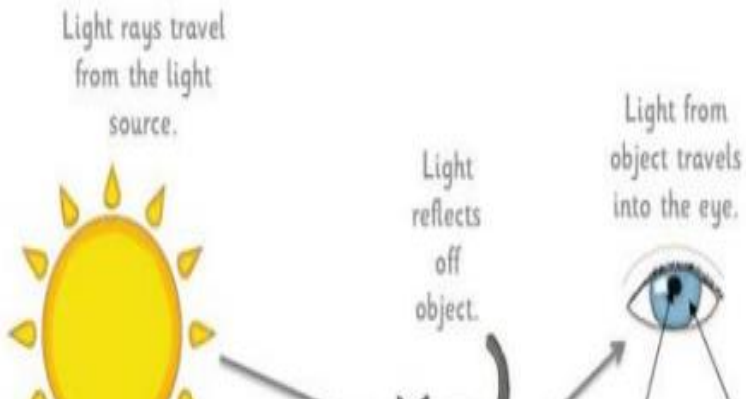
There must be light for us to see. Without light it is dark.  
Light comes from a source.

Percy Shaw created the reflective road stud called 'cats eyes' to solve the problem of cars veering off the road.

We need light to see things even shiny things.  
Beams of light bounce off some materials (reflection).



Transparent materials let light through them and opaque materials don't let light through.



Some surfaces reflect light well, others do not. Shiny, flat and smooth surfaces are best for reflecting light.

