

Selby Community Primary School Subject Knowledge bank

Science		Year 6	
Focus: Light			
Age related scientific vocabulary			
light source	Something natural or man-made which emits light.	shadow	A dark area or shape that is created when an object blocks a light source.
light rays	Straight lines that show the movement of light from a source.	reflection	When light hits the surface of an object and travels into our eyes so we can see the object.
transparent	Allows light to pass through it.	hypothesis	A prediction that can be tested.
translucent	Allows some light to pass through it.	results	Information collected during an investigation or experiment.
opaque	Does not allow any light to pass through it.	conclusion	A short explanation of the results and what they show.

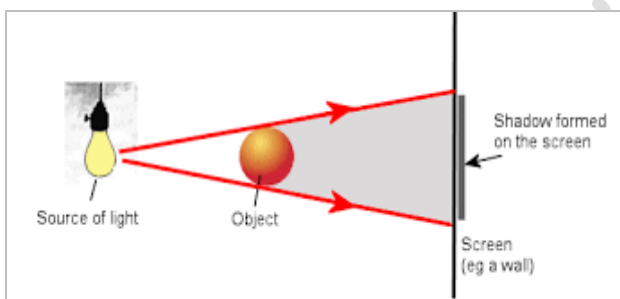
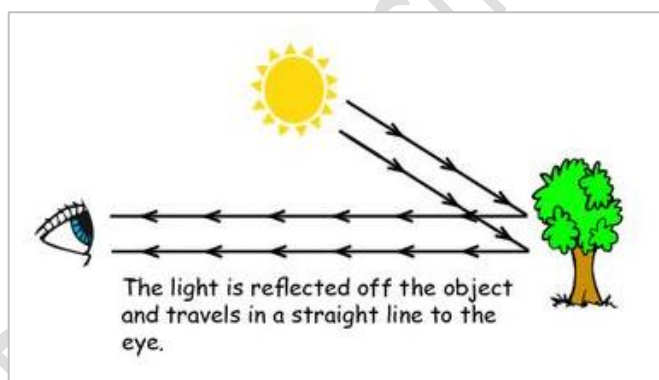
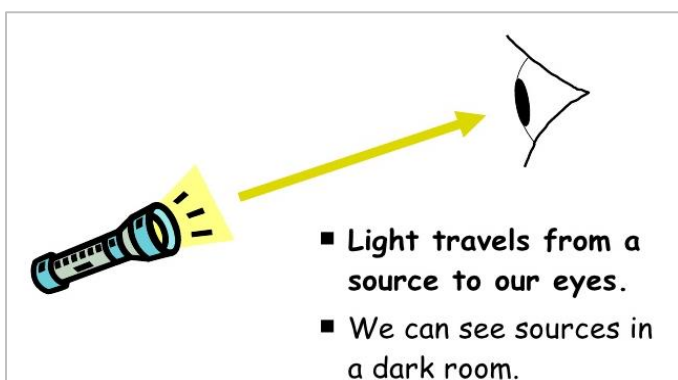
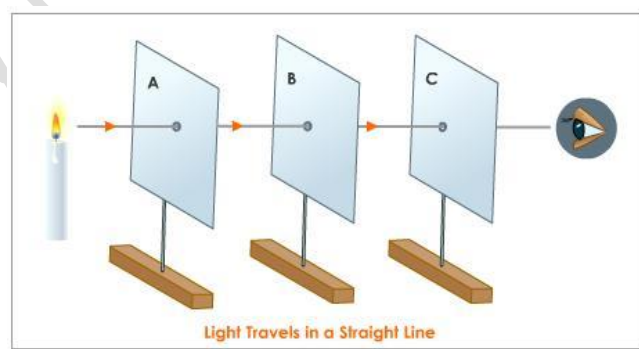


Diagram to show how a shadow is formed.



Key Knowledge

- We see objects when light from them goes into our eyes.
- The light may travel directly from light sources (e.g. the sun, a candle, a lightbulb) to our eyes.
- To see an object which is not a light source (e.g. a chair) light must be reflected from the object into our eyes.
- Darkness is the absence of light.
- Light appears to travel in straight lines.
- Shadows are created when an object, which is not fully transparent, blocks a light source.
- Because light travels in straight lines, the shape of the shadow will be the same as the outline shape of the object.