

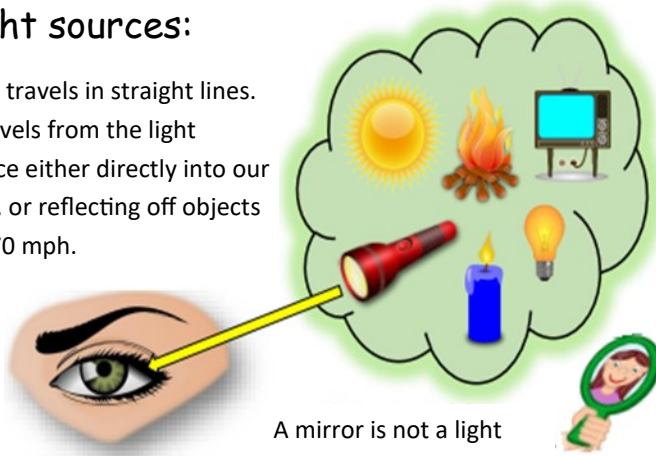
# Year 3:

# Light

## Key Learning

### Light sources:

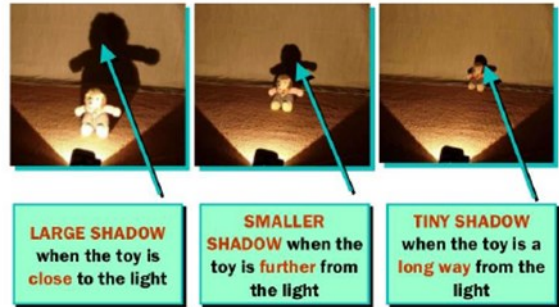
Light travels in straight lines. It travels from the light source either directly into our eyes, or reflecting off objects at 670 mph.



A mirror is not a light source. It reflects light but does not create it.

### Shadows

Shadows are formed when the light is blocked by an opaque object.



**LARGE SHADOW**  
when the toy is close to the light

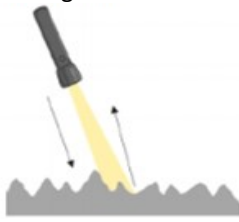
**SMALLER SHADOW**  
when the toy is further from the light

**TINY SHADOW**  
when the toy is a long way from the light

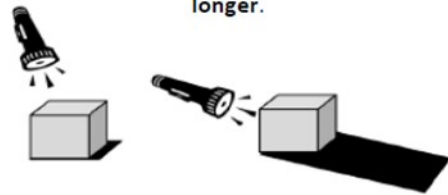
Light travelling and reflecting from a smooth surface.



Light travelling and reflecting from a rough surface.



As the **light source** moves **higher** in relation to the **object**, the **shadow** gets **shorter**. As the **light source** moves **lower**, the **shadow** gets **longer**.



UV rays from sunlight can be harmful which is why you must protect yourself appropriately with sunglasses and sun screen.



## Sticky Vocabulary

dark	The absence of light
opaque	Describes objects that do not let any light pass through them.
shiny	Material that reflects light.
surface	The outside of something.
shadow	An area of darkness where light has been blocked.
reflect	The process where light hits the surface of an object and bounces back into our eyes.
dangerous	Something which is not safe.

