



What I have learnt already

Darkness	Darkness is the absence of light.
Reflection	Light can be reflected off surfaces.
Shadows	Shadows are formed when a light source is blocked.





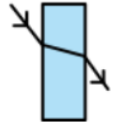
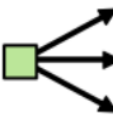



What I will learn next

Light Waves	What light waves are, how they travel and how they pass through different objects.
Energy	Transferring between light energy and other forms of energy.

Facts I need to learn now

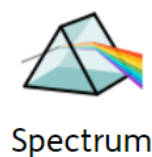
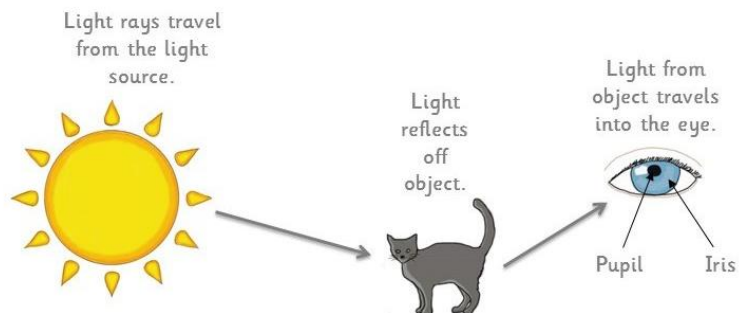
Straight Lines	Light travels in a straight line. When you place a torch on a table in a dark room, the beam travels in a straight line.
Reflection	Reflection is when light bounces off a surface - this changes the direction in which the light travels. Some surfaces reflect more light than others.
Seeing Things	We see when light passes from a light source to an object and is reflected back into our eyes.
Shadows	Because light travels in straight lines, a shadow is formed when an opaque object blocks light. The size of a shadow gets smaller as the object gets further from the light source.
Rainbows	Rainbows are formed when sunlight shines through raindrops, which separate the white light into colours.

Vocabulary (Words I need to know)

 Light	A form of energy that enables us to see.	 Reflect	Light bouncing back off a surface, rather than passing through it.	 Source	Where something (e.g. light) comes from.
 Dark	The absence of light.	 Refract	Light bending as it passes from one material to another, e.g. glass or water.	 Emit	To produce and let a light (or sound) out.
 Transparent	If something is transparent, you can see through it.	 Opaque	If something is opaque, you cannot see through it.	 Translucent	If something is translucent, some light passes through it.

Agape
Courage
Thankfulness

A diagram to help me understand.



A band of colours formed when white light is separated e.g. in a rainbow.

