Careers connected to light: optometrist, optic scientists, lighting engineer





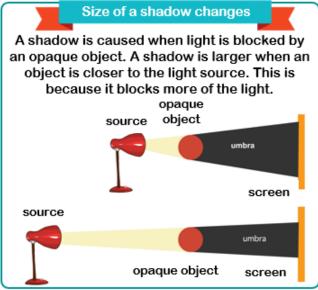


What I already know

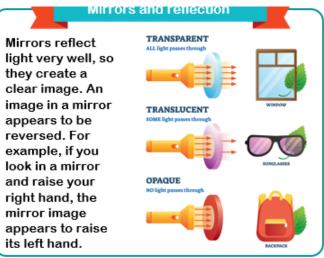
- No prior learning on light
- I have experience of predicting, exploring and investigating through different Science units in KS1 and in Year 3

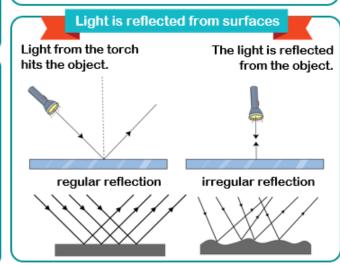


Sticky Learning









Core Learning



 Identify the difference between light sources and non-light sources



2. Explore the light that comes from the sun and how to stay safe



 Explore materials which are reflective



 Discover how shadows are formed



Investigate how shadows change throughout the day



6. Investigate how you can change the size of a shadow

Science Vocabulary

Rocket Words

light	a form of energy that allows our eyes to see
reflect	the process that describes light bouncing off a surface
vitamin D	a vitamin that come from sunlight or food and important for bone strength
ultraviolet rays	type of light that can be harmful
fluorescent	gives a highly visible reflection of light
high visibility	can be seen easily
shadow	a dark image that is formed when an object blocks the light
ray	a thin beam of light
cast	to throw or project
position	where something is placed
shape	the outline of something
puppet	a doll that looks like a person or an animal



Before and After Test













How does light travel?	before	after
In a straight line		
In a curvy line		
Light is everywhere		
Light does not travel		

Sources of light include	before	after
the sun		
the moon		
street lights		
torches		

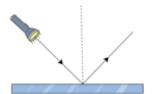
Dark means?	before	after
When there is a little bit of light so you can see		
The absence of light		
You must eat carrots so you can see		
The switch is turned off		

Looking directly at the Sun is?	before	after
dangerous		
safe		
ok if there are clouds		
ok if the sun is rising or setting		

When light bounces off a surface, it is?	before	after
absorbed		
dissolved		
reflected		
bounced		

What is the correct meaning of translucent?	before	after
semi-transparent		
opaque		
transparent		
solid		

If you were to pay a visit to a funfair, which diagram shows a reflective surface which is likely to distort your reflection?





before after before after





before after before after