

Science: Week 1 - Tuesday 23rd February

LO: To recognise that light appears to travel in straight lines

Working scientifically: I identify scientific evidence that supports or refute ideas or arguments.

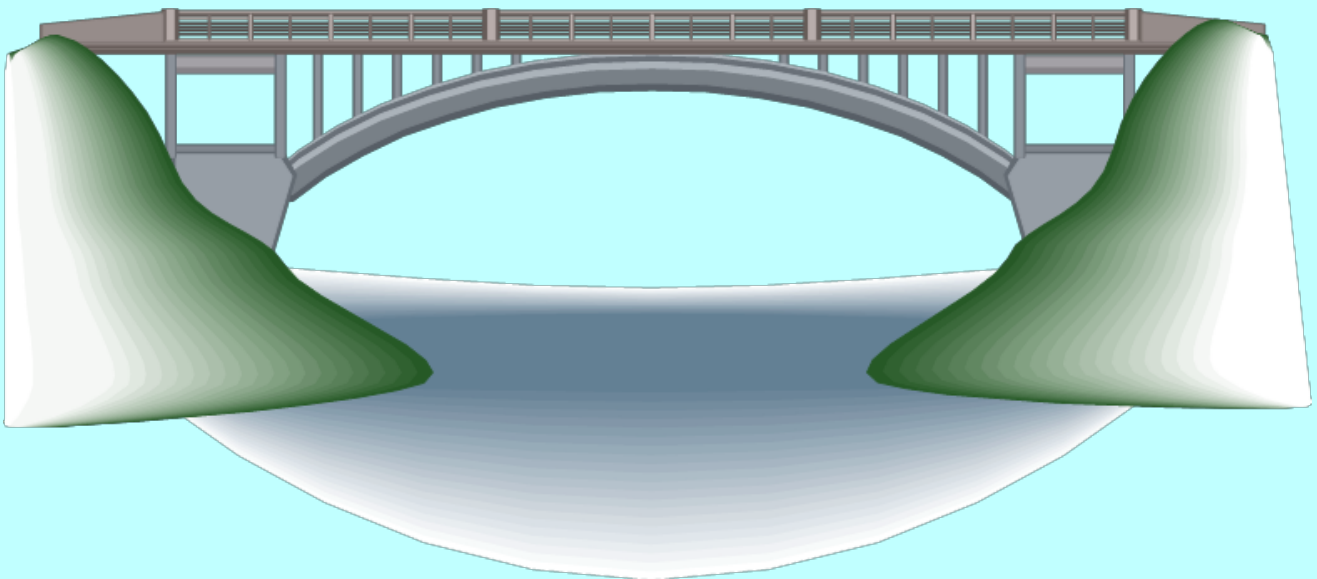


Success Criteria

I can find
evidence to
support an
idea 1:

I can use
equipment to
answer a
question. 2:

I can explain
my findings. 3:



To begin our new topic of Light, can you research the definitions of these key topic words:

(Light - key words sheet on Year 6 home learning page)

23.2.21

LO: To use scientific language to communicate ideas

Key vocabulary	Definition:
light	
reflect	
mirror	
shadow	
absorb	
transparent	
opaque	
translucent	
Light source	
dark/darkness	
block	

How can you prove that light travels in straight lines?

Equipment:

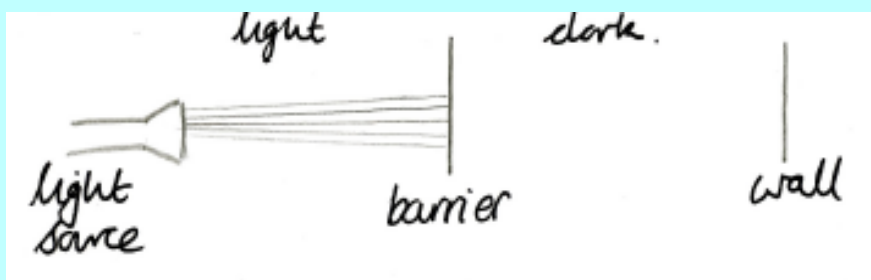
- torch (light source)
- black card

TASK: Have a go at using the equipment (or anything else you can find) to prove how light travels. Write an explanation of your findings using the key words given.

Key words:

- | | | |
|-----------|-----------|------------|
| • torch | • source | • object |
| • light | • travel | • straight |
| • barrier | • blocked | • lines |

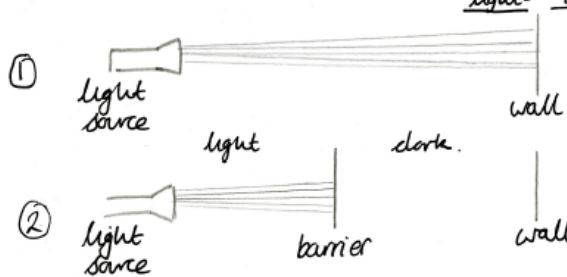
Helpful hint:



WAGOLL

How can we prove that light travels in straight lines?

Light comes from a source and must travel from the source until it is blocked by an object. The diagram below shows this.



Behind the wall is dark because the wall has blocked the light.

After the barrier is dark because the barrier has blocked the light. This proves light must travel because earlier, the light reached the wall.

Because light travels in straight lines the light can not travel around the barrier.

Attachments

Edward Jenner Story.mp4

microbes_lesson_2_ppt.ppt

Session_2_pics_illnesses_to_match.doc