

Science - Can light go round corners?

In this task, you will find out that light appears to travel in straight lines. You will use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.

Firstly, you need to watch 3 short video clips to learn about light and how we see objects. Please watch the videos in this order by clicking the links below:

https://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=11&ved=2ah_UKEwjgo6C75zpAhXuThUIHR_wCJUQFjAKegQIBxAB&url=https%3A%2F%2Fwww.bbc.co.uk%2Fbitesize%2Fclips%2Fzyntsbk&usg=AOvVaw1zkK8RKsoEOcTbO6LQC9P

<https://www.bbc.co.uk/bitesize/clips/zb3s34j>

<https://www.stem.org.uk/resources/elibrary/resource/30672/modelling-light>


The last video shows a Year 6 teacher teaching her class about how light travels and how we see objects. It is interesting to see how they understand about this scientific concept.

Your Challenge:

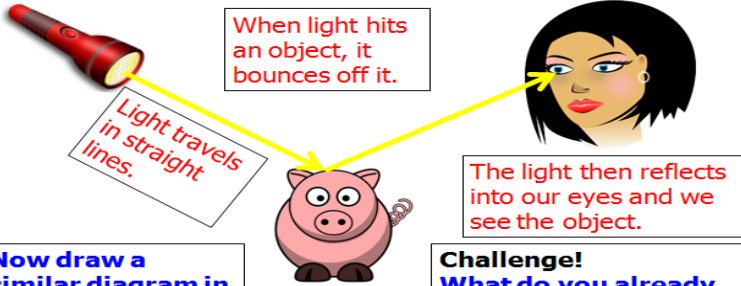
Please see the other file containing 3 simple experiments for you to do perhaps with a sibling or parent. You will need a torch or a light from a phone and 2 mirrors (any small mirror will do). It will work better in a dark room. Try them and see what happens. The eye is where you will stand. Your assistant will hold the light source and the mirror.

Good luck! Don't give up if it doesn't work first time, keep trying!

After the experiment, write up what happened and explain how you made the light travel to your eye when placed in different positions.

Lesson 1 **L.O. To explain how we see things** 

It is important to think about the light source and the reflection of the light.



When light hits an object, it bounces off it.

Light travels in straight lines.

The light then reflects into our eyes and we see the object.

Now draw a similar diagram in your book.

Challenge!
What do you already know about our eyes?