

Year 3 Home Learning

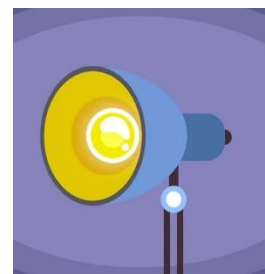
Science - Exploring Light

Fun Facts About Light - Activity 1:

Did you know that light travels at 299,792,458 metres per second? That is seriously fast! The circumference of the earth is approximately 24,000 miles. In comparison, the distance between the earth and the moon is approximately 250,000 miles. This means in just 1.3 seconds, light reflected from the moon will reach the earth! Technically the moon we see every evening is the moon 1.3 seconds ago. Mind boggling!

Explore this topic further. Find out 5-10 fascinating facts about light and write them in your exercise book. You might want to use science books you have at home or you could use the links below.

- [What is light?](#)
- Natural and Artificial [Light Sources](#)
- Seymour Science: [Light](#)
- Dr Binoc: [Light](#) (You might want to have a go at some of the activities in this one!)



Reflective Materials- Activity 2:

Reflective materials are used in a variety of different ways. Your main task this week is to research an item that contains a reflective material (e.g. cats eyes in the road, hi-vis jackets, road signs).

What is it?

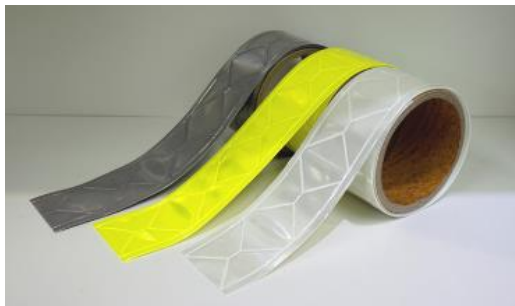
What is it used for?

How does it work?

What problems would there be if this item was made of a non-reflective material?

(See if you can find out *who* invented your chosen item).

You can present this information in any way you wish. This could be a poster, fact file or even a video for you to present your findings orally.



Extra Challenge

Look at the speech bubbles. Who do you think is right? Critically examine these statements and justify your answers. You might want to write a different statement of your own.

