

Science M3 - WALT: understand that light appears to travel in straight line, use the idea to explain that objects are seen because they give out or reflect light into the eyes and light travels from light sources to our eyes or from light sources to objects and then to our eyes.

Science M3 SC1: use simple models to describe scientific ideas

Revisit your previous knowledge....

What do you know about these images?

Which do you think is the odd one out?



I know that lampposts, the sun and candles are sources of light because they produce light which enables us to see. The sun is natural and the lamppost and the candle are manmade. I think the sun is the odd one out because it would take a long time for it to blow out whereas the candle and the lamppost can blow out quickly since their light source is smaller and the sun is massive.

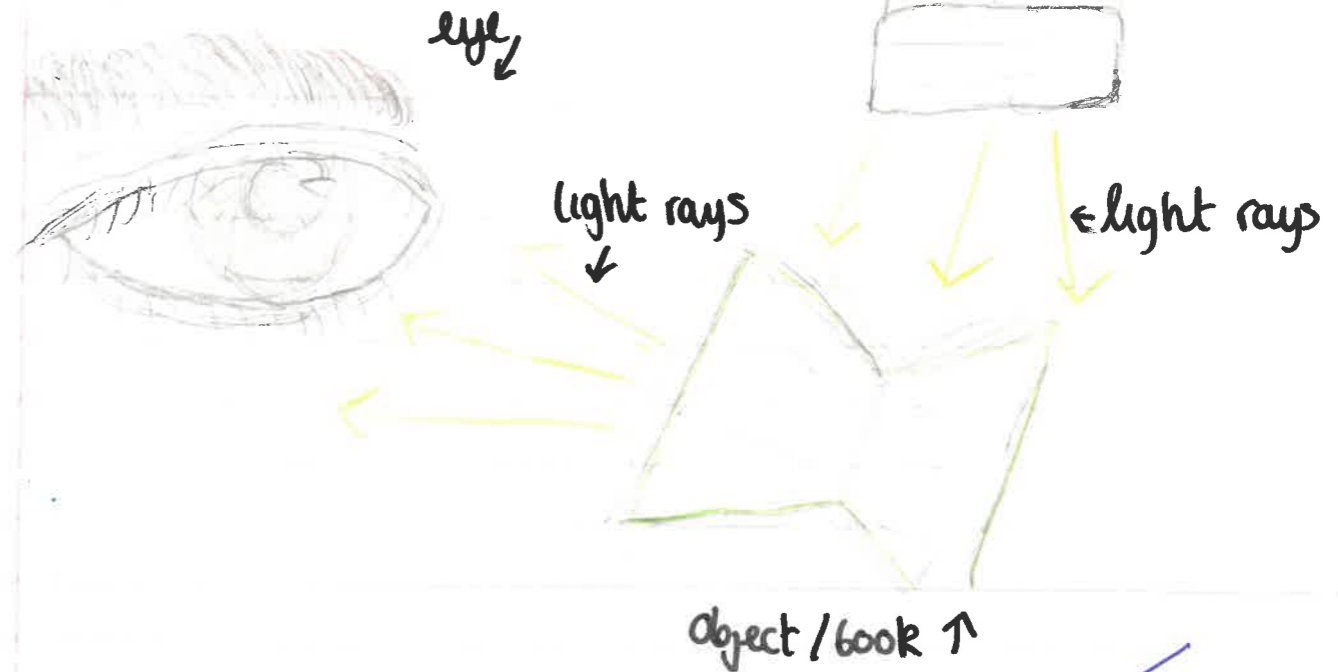
Because it doesn't have a direct opening to enter our eyes, the sun can't travel right into our eyes as other objects will block it. Furthermore, things like trees, buildings, sun glasses and people will block it from entering our eyes.

The images we see are made up of light reflected from the objects we look at.

Basic

Draw and label diagrams to show how light travels.

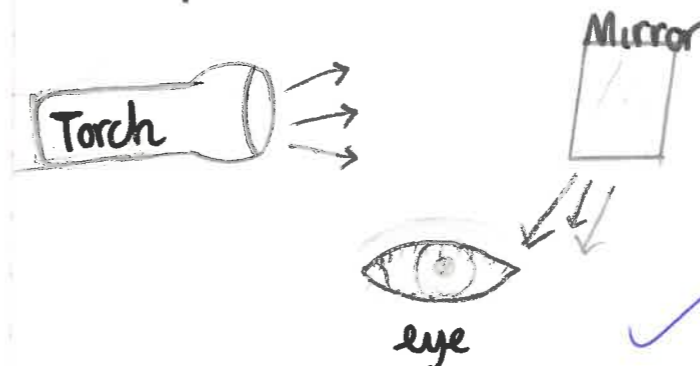
light source
light bulb



Advancing

Predict where light will appear after hitting a reflective surface.

Mirror prediction



I think the mirror will reflect the light because it is a reflective material.