Monday 14th June 2021

LO: To investigate the reflective nature of different materials.

starter:

Complete the writing frame:

We need _____ to see things.

A light sources is _____.

Some examples of light sources are _____.

Darkness _____.

It is dark at night time because _____.

When there is less light it is _____ to see the different between colours.

Intriguing question:

Why are some objects shiny when you shine a torch on it?

Watch clip:

https://www.bbc.co.uk/bitesize/topics/zbssgk7/articles/zqdxb82

Glossary:

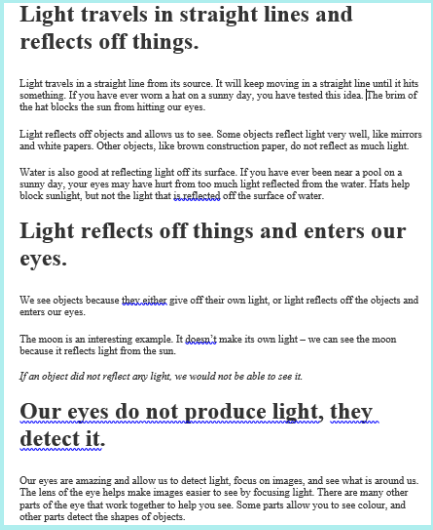
detect - discover or find something

focus - clear vision to see something

lens - transparent material with curved sides to see through

produce - make

reflect - surface throws back light



Light travels in straight lines and reflects off things.

Light travels in a straight line from its source. It will keep moving in a straight line until it hits something. If you have ever worn a hat on a sunny day, you have tested this idea. The brim of the hat blocks the sun from hitting our eyes.

Light reflects off objects and allows us to see. Some objects reflect light very well, like mirrors and white papers. Other objects, like brown construction paper, do not reflect as much light.

Water is also good at reflecting light off its surface. If you have ever been near a pool on a sunny day, your eyes may have hurt from too much light reflected from the water. Hats help block sunlight, but not the light that is reflected off the surface of water.

Light reflects off things and enters our eyes.

We see objects because they either give off their own light, or light reflects off the objects and enters our eyes.

The moon is an interesting example. It doesn't make its own light – we can see the moon because it reflects light from the sun.

If an object did not reflect any light, we would not be able to see it.

Our eyes do not produce light, they detect it.

Our eyes are amazing and allow us to detect light, focus on images, and see what is around us. The lens of the eye helps make images easier to see by focusing light. There are many other parts of the eye that work together to help you see. Some parts allow you to see colour, and other parts detect the shapes of objects.

1st read: write answers on post its.

I DO: How does light travel?

WE DO: Which objects reflect light well?

YOU DO: How do we see objects?

YOU DO: What are your eyes good at?

2nd Read:

Complete the sentence stems:

Objects that reflect light well are.....

We see objects because.....

Our eyes are good at.....

Complete the table:

Object	Describe what it is like	How shiny is it?