

Thursday 10th June 2021

LO: To explain why we need
light to see objects.

Starter: Fill in the missing information from our last knowledge organiser.

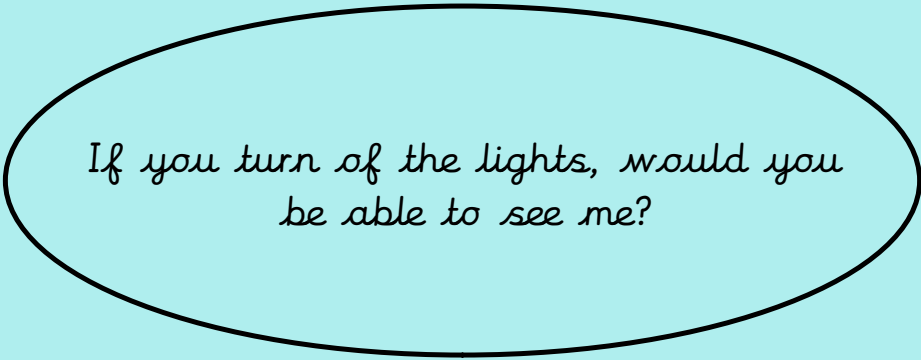
Carbohydrates (starches)	
Fibres	
Vitamins and minerals	
Fats	
Proteins	
Skeleton	

Key question this half term:

How dark is dark?

look at your new knowledge organiser, have you any questions about the KO?

Intriguing question:



*If you turn of the lights, would you
be able to see me?*

Activity: can you see what is on the blackout box?

Can you see what is in the box?

Why not?

We need light to be able to see what is inside a box. Dark happens when we do not have any light. Dark is the absence of light.

Watch clip

 <https://www.bbc.co.uk/bitesize/topics/zbssgk7/articles/z2s4xfr>

Glossary:

absence - not there

energy - power

reflects - surface throws
back light without absorbing

source - where something
comes from

What is light?

Introduction

People and other animals can see because there is light. Light is a form of energy. The Sun is a very important source of light energy. Without the energy from the Sun, there would be no plants or animals on Earth's surface.

Sources of Light

Besides the Sun, other sources provide light. Burning objects give off light. So do some animals, such as fireflies and certain fish. Lightning and electric lightbulbs also produce light.

Light and Sight

People see an object either because it gives off light or because the object reflects, or bounces back, light. For example, people see the Sun because it gives off its own light. But people see the moon only because it reflects light from the Sun.

What is dark?

Darkness is the absence of light. Darkness is made by blocking light from the sun or some other source of light, which makes shadow. When there is less light, it is harder to see.

1st read: answer questions on post its

I DO: what is light?

WE DO: Why is the sun important?

YOU DO: What sources provide light?

YOU DO: how do people see objects?

YOU DO: What is darkness

2nd read: join the sentences

Darkness is.....

people see objects because.....

The sun, candles, fireflies and lightbulbs.....

Without the sun.....

.....are sources of light.

.....there would be no plants or animals.

.....the absence of light

...it gives off light or reflects light.

Each box has two holes in it. Use these holes to try and see what is in the boxes.
Where should you point the holes in the box?

