

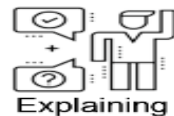
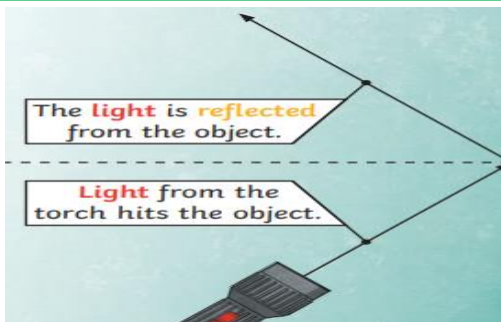
Sticky Knowledge

I can explain how light travels from a source to our eyes.
I can describe the movement of the sun during the day.

Prior Knowledge

I know a range of sources of light such as, candle, light bulb, or the sun.
I know the 4 seasons in a year and can describe the weather in these.

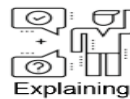
We need light to see things.
There are many sources of light in our world.
Some are artificial and some are natural.
Artificial light examples – bulb, Lamp or phone.
Natural light examples – sun or wildfire.



Light travels in a straight line. When light from its source hits an object, it reflects (bounces off) and this reflected light travels to our eyes. This lets us see an object. How and why do you think we could protect our eyes from the sun?



Vocabulary



Light Knowledge Organiser



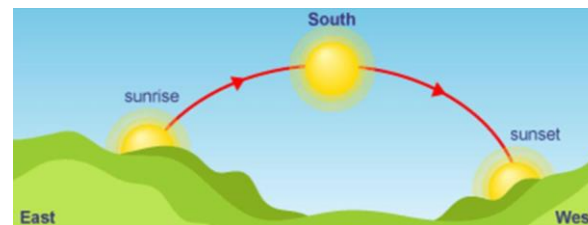
Source	Where something (light) comes from.
Artificial	Man made.
Natural	God made.
Reflected	Bounces off an object.
Seasons	There are 4 throughout the year. See below.
Daylight	Amount of light throughout a day.

A year consists of 4 seasons.

The Four Seasons

autumn September October November	winter December January February
spring March April May	summer June July August

The sun moves across the sky during the day. It rises in the east and sets in the west.



Daylight hours provided by natural light (sun) differs depending on the time of year. In the summer we have up to 16 hours daylight per day but in the winter, we can have as little as 8 hours sunlight per day. The weather also changes in these seasons. Winter = coldest. Summer = hottest. The longest day of the year is in June. Shortest day is in December.

Month	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug
Hours of Daylight	13	11	9	8	8	10	12	14	15	16	16	14