

Year 3 Science

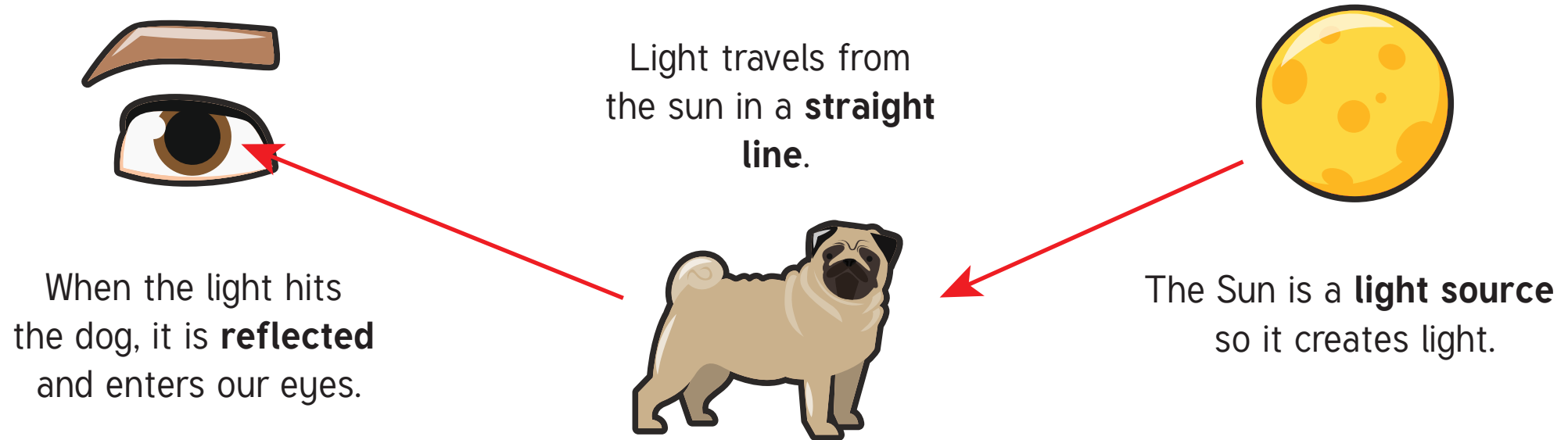
Light

I recognise that light from the sun can be dangerous and that there are ways to protect our eyes.



Light

Last lesson, we learnt that we can see things because light is reflected. Some materials reflect light better than others. Light travels in straight lines.

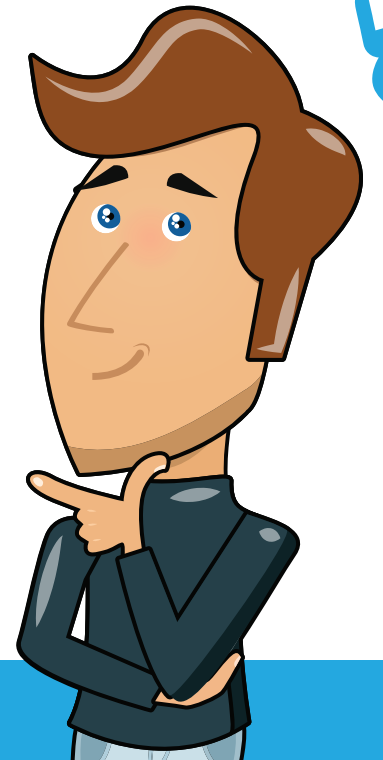


When light hits an object, it is **reflected** (bounces off) and enters our eyes.
This is how we see the object.

Thinking Time...

Talk to your partner about the difference between a light source and an object that reflects light.

Can you think of examples?



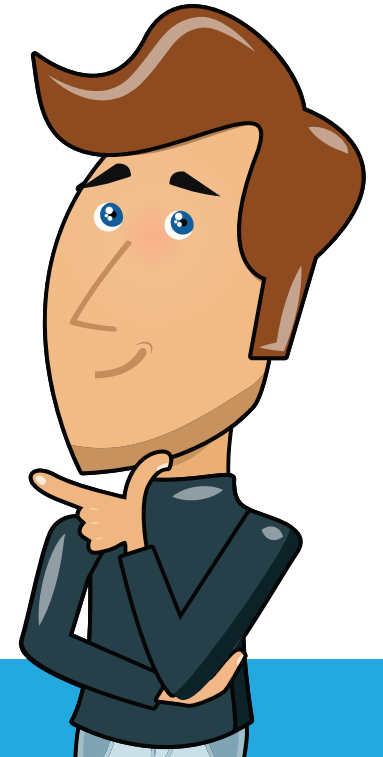
Thinking Time...

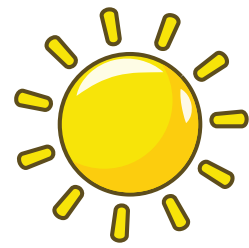
Talk to your partner about the difference between a light source and an object that reflects light.

Can you think of examples?

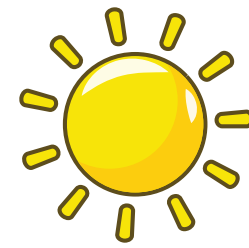
A light source is something that creates light. **E.g. the sun, lamp, torch, candle, TV.**

An object that reflects light is an object that doesn't create light but it reflects it from a light source.
E.g. the moon reflects light from the sun.





The Sun



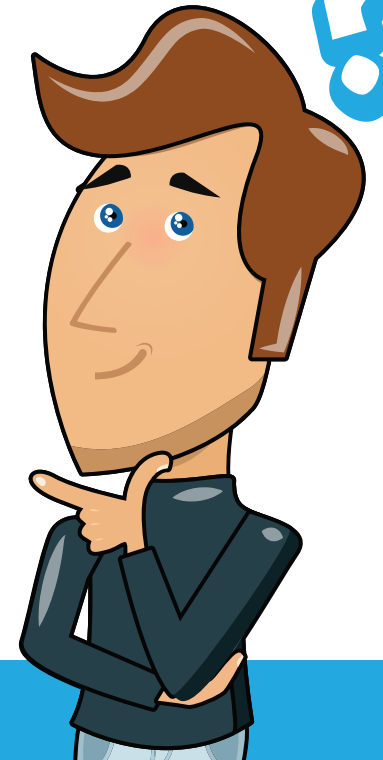
The Sun is the biggest light source we use. The Sun is very important to us. It provides us with heat and light. Although it is important to us, it is just an ordinary star, one of billions in the Universe. The other stars are too far away for us to feel their heat, but we can see their light when it is dark at night

The Sun is a huge ball of hot gas, 1.4 million km wide. That's as wide as 1,555,555 football pitches lined up! It could swallow more than a million Earths and it is over 300,000 times heavier.

The Sun's light is so bright that it can damage the eyes if looked at directly and can even cause blindness. The Sun looks brighter than other stars because it is closer to the Earth.

Thinking Time...

How can we protect ourselves
from the Sun?



Protecting Ourselves

We can...



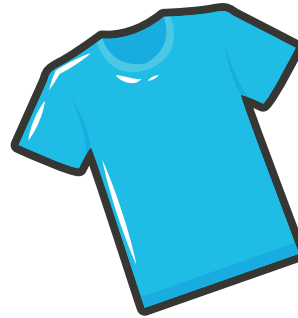
We can wear **caps** to protect our head and eyes from the light of the sun.



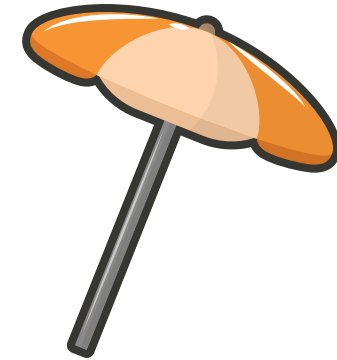
We can wear at least factor 15 **sun cream** to protect our skin from the UVA rays.



We can wear **sunglasses** to protect our eyes from the sun's rays.



We can wear **loose, light clothing** so we don't get sunburn.



We can go in the **shade** during the hottest times of the day (11am - 3pm)

Independent Activity

Today you are going to design a leaflet to explain how dangerous the Sun is and explain the different ways we can protect ourselves.



True or False?

1. The Sun reflects light.
2. The Sun can damage our eyes.
3. The Sun is a big ball of gas.
4. A chair is a light source.



True or False?

1. The Sun reflects light.

False, it is a light source.

2. The Sun can damage our eyes.

True.

3. The Sun is a big ball of gas.

True.

4. A chair is a light source.

False, it doesn't create light.

