



Sun Safety

twinkl

The Sun: Hero or Villain?



Have you ever been told not to look at the sun?
Is the sun good or bad?

The statements below are all things that the sun does.
For each statement, if the sun is a hero or a villain! (is it good or bad?)

Causes sunburn.

Helps people make
Vitamin D.

Provides warmth.

Helps plants make
food.

Makes people feel
happier.

Damages the eyes.

Is a source of
light.

UV Light

The sun emits (gives out) rays of light.

We can't see all the types of light that come from the sun.

The visible spectrum is the name for the light that we can see, and is made up of the colours of the rainbow:



Another type of light that the sun emits is called UV light.

UV light is invisible to humans, but we can see and feel its effects.

UV Light

Some UV rays are blocked by the ozone layer, but most of the UV light from the sun reaches us on earth.

The amount of UV light that reaches us depends on different things.

It is stronger at midday and in the summer.

If there are no clouds there is more UV light.

It also gets stronger nearer to the equator.

The location can make a difference too - water, sand and snow all reflect UV light, making it stronger.

UV light causes sun burn, wrinkles and skin cancer, damages the eyes and can change the colour of some materials.

Our Eyes

The eye is made to let light in; this is how we see.

Look in the mirror. Can you see your pupil? It looks like a black circle.

Light enters the eye through the pupil.

Look closely at your pupil in the mirror. Close your eyes for 30 seconds, then open them and look at your pupil. What do you notice?

The pupil grows bigger in the dark to allow more light to enter the eye, and gets smaller in bright light.



The Eye

If too much light comes through the pupil, it can damage it.

It causes pain, so that you instantly close your eyes, or turn away from a bright light.

It is very important that you never look directly at the sun, as the light can damage your eyes very quickly.

Bright lights indoors can also damage your eyes, so you should never look at them, or shine lights into anyone's eyes.

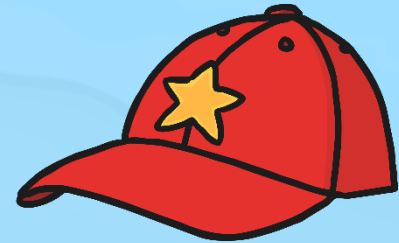
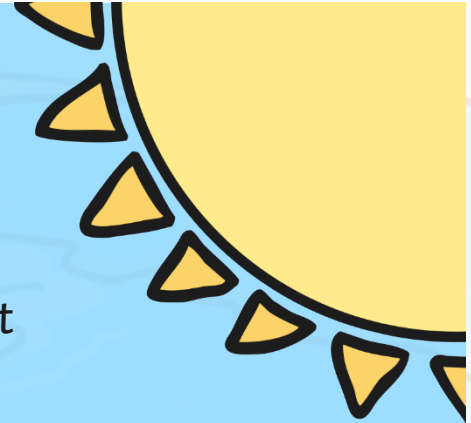


Protecting Your Eyes

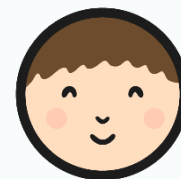
To protect your skin from UV rays, you can cover up or wear sun cream.

But what can you do to protect your eyes?

- Sunglasses are a great way of helping to protect your eyes when out in the sun.
- You can also wear a hat with a wide brim to shade you eyes.
- Make sure you have regular eye tests to check your eyes.
- Even if you are wearing sunglasses and a hat, you should still never look directly at the sun.



Design Your Own!



Now you know how the sun can damage your eyes, and how to protect your eyes.

Your task is to design a pair of sunglasses or a hat that will protect someone's eyes from the harmful effects of the sun.

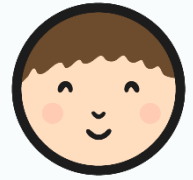
You should also advertise your sun protection item!

Tell your customers why they need to buy your sunglasses or hat.

Explain about the effects of the sun, and how your sunglasses or hat can help protect against them.



Design Your Own!



Sun Safety Design

Design a pair of sunglasses or a sun hat that will protect your eyes in the Sun.

