

## Topic Related Tasks

### Task 1 – TOPIC: Light

Read the information on the two pictures below. Can you use this information to create your own presentation explaining **how light helps us to see**.

You can choose what media to use: powerpoint, poster, video, lego, minecraft, practical example. Try and be creative.

If you are a Minecraft user, the marketplace has an educational model of an eye which you could download and explore for free to help build on your knowledge.

## How Does Light Help Us See?

Light is a type of energy known as electromagnetic radiation.

It is made up of photons, little particles of energy.

Light travels as a wave. But unlike waves of water, or sound waves, it does not need any medium to travel through. This means light can travel through a vacuum - a completely airless space.

Light waves travel out from sources of light in straight lines. These lines are often called rays or beams of light.




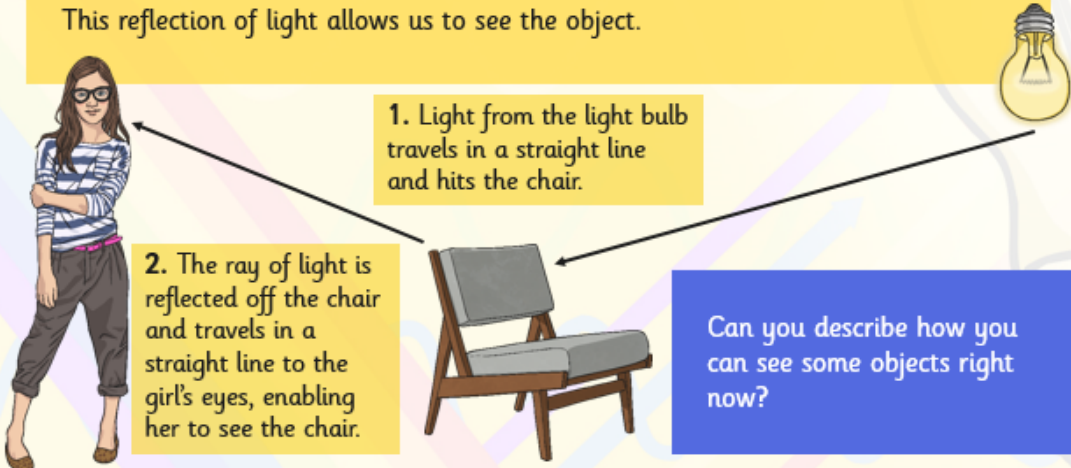
Photo courtesy of Azeath-Kad (iStock.com) - granted under creative commons license - attribution

## How Does Light Help Us See?

Rays of light travel from a light source and hit objects around us.

The rays of light reflect, or bounce, off an object, and then travel into our eyes.

This reflection of light allows us to see the object.



1. Light from the light bulb travels in a straight line and hits the chair.

2. The ray of light is reflected off the chair and travels in a straight line to the girl's eyes, enabling her to see the chair.

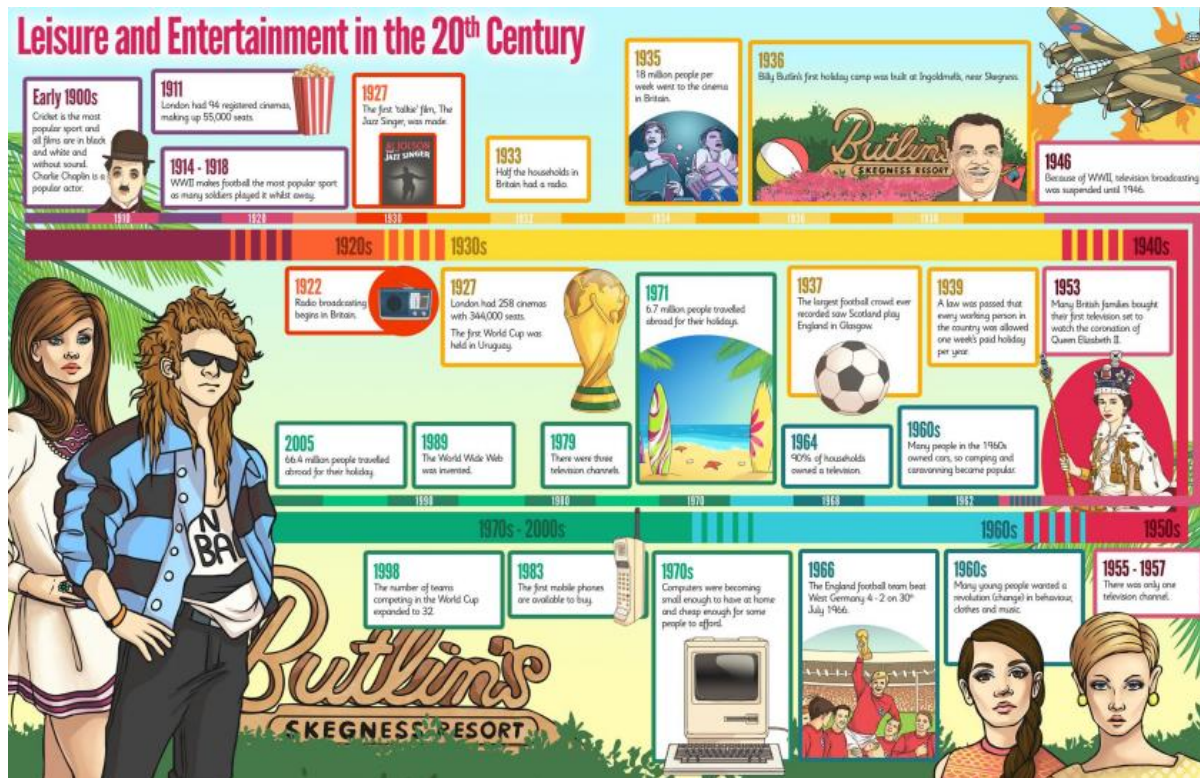
Can you describe how you can see some objects right now?

## Task 2 – TOPIC: Leisure and Entertainment

Read through the PDF document 'Exploring British history' and the reading comprehension document, 'Leisure and Entertainment in 20th century'. These documents give information and detail about the changes that have taken place regarding leisure and entertainment since 1837.

Make notes as you read and then create your own chronological timeline showing the major events that led to the developments of leisure and entertainment since 1837.

### EXAMPLES:



### Leisure and Entertainment in the 20th Century – Teacher Version

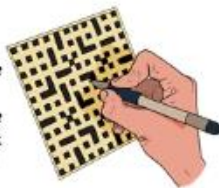
M: Compare and contrast this timeline with what you think an explanation text of Leisure and Entertainment in the 20<sup>th</sup> Century would look like. How are they similar or different? Timeline uses brief sections of text, lots of images and uses a line to show chronological order/explanations. Texts have lots of detail.

M: Are the entries in this timeline fact or opinion? Explain your answer. Facts, they can be checked and proven.

5: According to the text, which year did a large sporting event draw over 150,000 viewers on television? 1936.

**October 1905**  
Following the turn of the century, the world was introduced to the game of ping pong. Although throughout the Victorian era many aristocrats played a similar version of table tennis, an English entrepreneur, J. Jaques registered ping pong as a trademark.

**October 1913**  
A Liverpool journalist named Arthur Wynne published and popularised the first crossword games. They were a recurring feature in the Sunday publication 'New York World' and are now a staple of most newspapers.



**August 1936**  
1936 saw the first ever TV broadcasting of the summer Olympics. It was viewed by approximately 150,000 people, which was an astounding reception at the time. Later that year, television sets expanded to over 2000 individual television sets across the world.

