

Sticky Knowledge

Electricity travels at the speed of light. That's more than 186,000 miles per second!

Electricity comes from the power station, the wind, the sun, water and even an animal's pool!

Electricity is a type of energy that build up in one place (static), or flow from one place to another (current electricity).

Thomas Edison was a great inventor that came up with a way of making the electric light bulb accessible for homes, industry and outside in the streets

Light will travel in a completely straight line until it hits an object that will bend it. The light that is in a straight line are called 'light waves'.

Light doesn't travel as fast when it has to pass through mediums that are different, such as air, water or glass.

Light can be controlled and produced in so many ways. A camera can control the amount of light that comes into the camera lens. We also use light in televisions, medical systems, copy machines, telescopes and satellites.

In 1911, London had 94 registered cinemas, making up 55,000 seats. By 1939 this had increased to 258 cinemas with 344000 seats.

The first 'talkie' film called 'The Jazz Singer' was made in 1927.

By the middle of the 19390s, 18 million people per week went to the cinema in Britain.

Year 6 Gold Autumn 2:

Can A Lens Create Art?



Key Film



Topic Vocabulary

conductor	Some materials let electricity pass through them easily. These materials are known as electrical conductors.
insulator	Plastic, wood, glass and rubber are good electrical insulators.
series circuits	A series circuit is one that has more than one resistor, but only one path through which the electricity (electrons) flows.
cells	An electrical cell is a device that is used to generate electricity, or one that is used to make chemical reactions possible by applying electricity.
volts	Voltage is an electrical potential difference, the difference in electric potential between two places.
light wave	One of the characteristics of light is that it behaves like a wave. Light can be defined by its wavelength and frequency. The frequency is how fast the wave vibrate up and down.
light source	Light, or illumination, is a form of energy that travels in waves, like sound. You can find different sources of light, such as a candle or the Sun.
lens	A lens is a curved piece of glass or plastic designed to refract light in a specific way.
concave	It is a lens that curves inwards and reflects light differently as a result.
convex	It is a lens that curves outwards and reflects light differently as a result.