

# Lever House Primary School



**Light**

**Main Subject:** Science

**Strand:** Physics

**Classes:** Maple, Oak & Pine

## What I should already know:

Plants need light to grow.

In different seasons we have different amounts of sunlight.



The sun is a natural light

## What I will be able to answer (Learning Questions)

What is light and where does it come from?

Why do we need light and what is

Which surfaces does light reflect from?

How can I protect my eyes from the sun?

How are shadows created?

What affects the size of a shadow?

## Useful Links:

<https://www.bbc.co.uk/bitesize/topics/z3nnb9q/articles/zpnvf82>

## Sticky Knowledge

Light is a type of energy that comes from a natural or man made source.

The sun is a natural source of light. Other light sources include candles, fireworks, torches and car headlights.

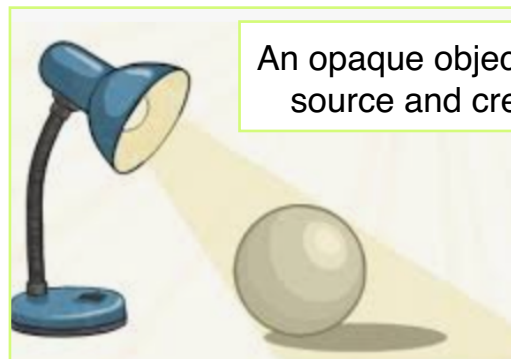
Darkness is the absence of light and without light we cannot see things.

Light reflects from some surfaces, these include foil, mirrors and cats eyes.

The light from the sun can be dangerous and we must not look directly at it. We can protect our eyes by wearing sunglasses or a sunhat.

Shadows are created when an opaque object blocks the light from the light source.

The size of a shadow can be changed by moving the object closer or further away from the light



An opaque object blocking the light source and creating a shadow.



A silhouette of a girl.

## Key vocabulary

**Dark:** the absence of light

**Light sources:** things that give off energy as light.

**Opaque:** not transparent (not see

**Reflect:** when light bounces off an

**Shadow:** the dark shape that appears when light is blocked.

**Silhouette:** the black outline of an object when seen from its shadow.

**Sunlight:** light that comes from the

