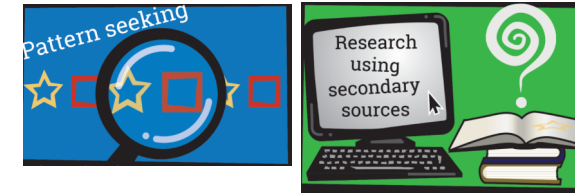




# Knowledge Organiser

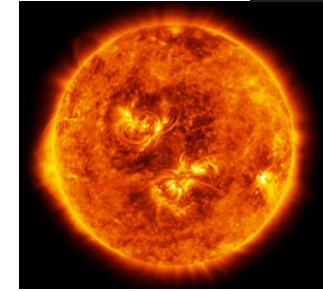
## Light and Shadows



Get talking with your child:

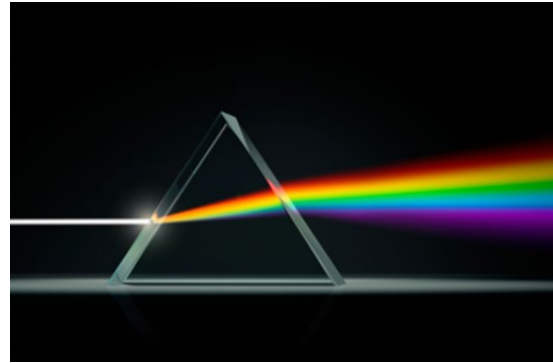
How does what you see change at different times of day and in different places?

Examine and discuss shadows as you see them both in and out of the house.



### Key Facts

- We need light in order to see things.
- **Dark is the absence of light.**
- Light always travels in straight lines.
- **Light is reflected from surfaces which then enables us to see.**
- Light from the sun can be dangerous and that there are ways to protect their eyes.
- **Shadows are formed when the light from a light source is blocked by an opaque object.**
- The size of shadows change at different points in the day. Shadows are shortest at midday



Useful links:

<https://www.bbc.co.uk/bitesize/topics/zbsgk7>

### Key Vocabulary

**Light source** - generates light.

**Dark** - the absence of light.

**Reflect** - light bouncing off a surface.

**Reflection**- the throwing back by a body or surface of light, heat, or sound without absorbing it.

**Shiny**- reflecting light, typically because very clean or polished.

**Dull**- lacking brightness, vividness, or sheen.

**Eye**- a thing resembling an eye in appearance, shape, or relative position.

**Refract** - light splitting into the 7 colours of the spectrum