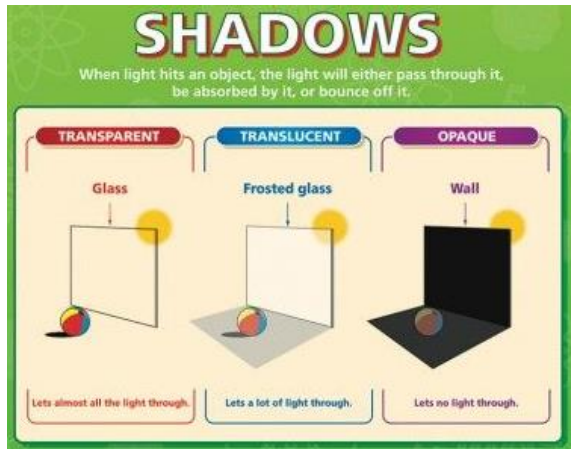


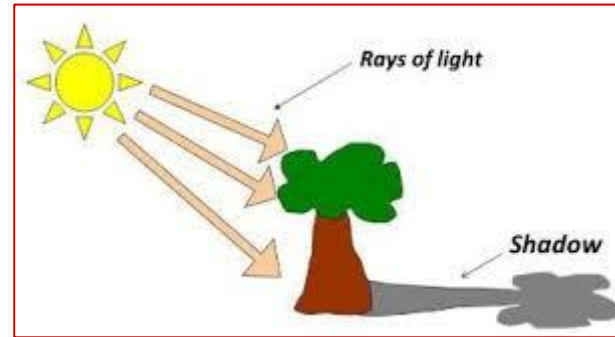


Working together to be the best that we can be

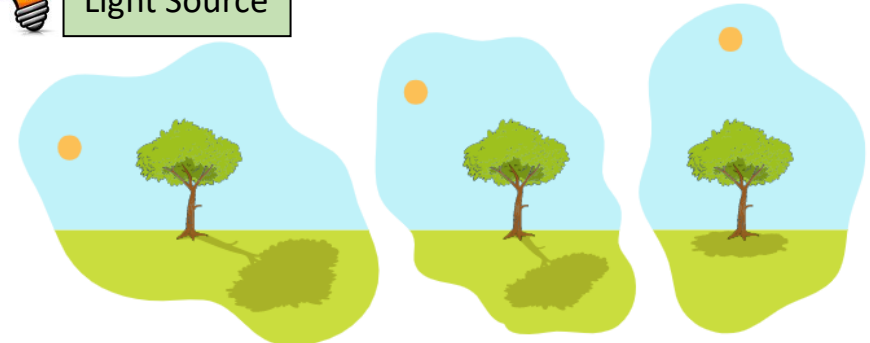
Golden Thread: Sustainability



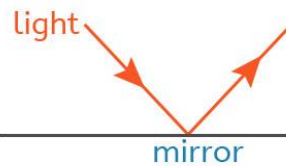
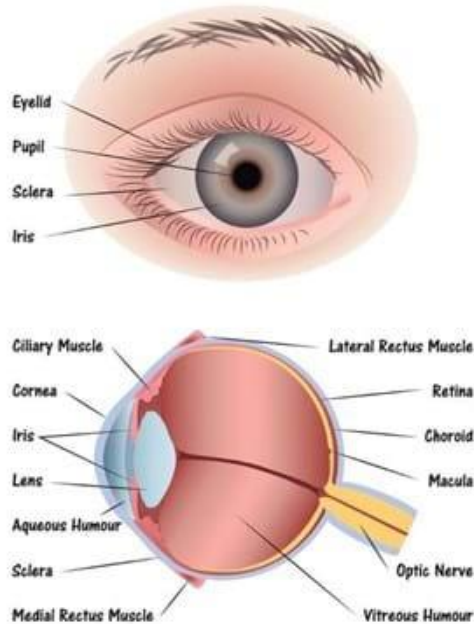
Light travels in a straight line. When an object **blocks** the light, a **shadow** is created.



Light Source



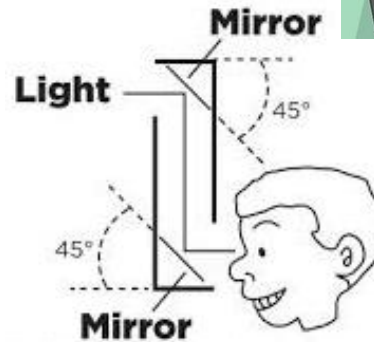
Shadows change shape and size depending on where the **light source** is, the angle, the height and the distance from the object.



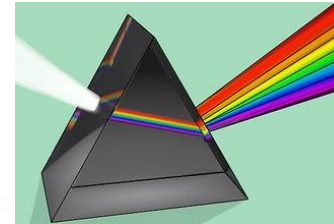
Reflection



Refraction



Periscope



Isaac Newton (1643-1727)

Newton was interested in light and colour. **He experimented in a dark room with light and prisms and discovered that light could be split into lots of different colours – a rainbow or spectrum.** He also discovered that something appears to be a certain colour because of the amount of light that it absorbs and/or reflects.



Glossary

- Light Source**- Something that gives out its own light.
- Lens**- A see through material used to bend light.
- Opaque**- Not see through.
- Pupil**- The opening in the iris which allows light reaching the lens
- Reflection**- When light bounces off an object.
- Refraction**- This is the bending of light.
- Shadow**- A dark area made when light rays are blocked by an object.
- Spectrum**- White light can be split into the rainbow of colours.
- Translucent**- Allows some light to pass through
- Transparent**- See through

REMEMBER..... bright lights can damage your eyes. Never look directly at the sun even with glasses on!!

