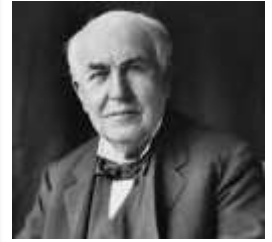


In science we are learning about...

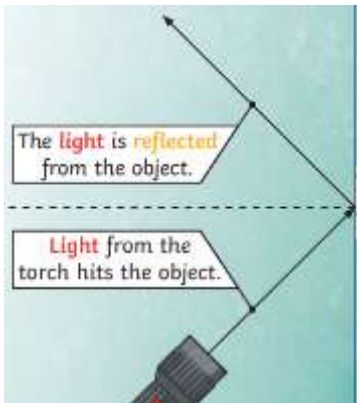
Light and shadows

Key vocabulary

- **Light**- A form of energy that travels in a wave from a source.
- **Translucent**- Describes objects that let some light through, but scatter the light so we can't see through them properly.
- **Opaque**- Describes objects that do not let any light pass through them.
- **Transparent** - Describes objects that let light travel through them easily, meaning that you can see through the object.
- **Reflection** - The process where light hits the surface of an object and bounces back into our eyes.
- **Ray** - Waves of light are called light rays. They can also be called beams.
- **Shadow**- A shadow is the dark shape made when something blocks light.

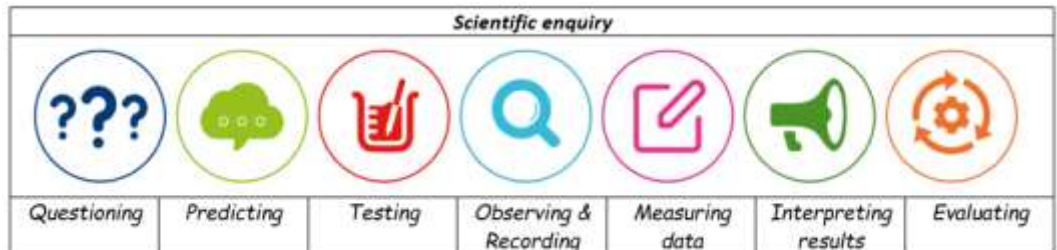


Thomas Edison



Sticky knowledge

- We need light in order to see things, dark is the absence of light.
- Light travels in a straight line. When light hits an object, it is reflected.
- Shadows are formed when light from the light source is blocked by an opaque object.
- Light from the sun can be dangerous and that there are ways to protect our eyes.



Links to previous learning

- Identify and name materials and their properties.
- Light comes from different sources called light sources; our main natural light source is the sun.



Aspirations

- Electrician
- Lighting engineer
- Photographer
- Eye doctor (Optometrist)



Characteristics needed for this topic:

- Questioning
- Curiosity
- Problem solving

