



# Science Knowledge Organiser- Year 3 Light

## KEY VOCABULARY

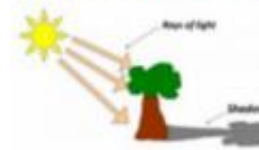
Opaque-	An object or material that does not allow any light to pass through it.
Translucent-	An object or material that allows some light to pass through it.
Transparent-	An object or material that allows all light to pass through it.
Shadow-	A dark area caused by an object blocking a source of light.
light sources-	Objects that give out light.
Distance-	How far two points are away from each other.
Light-	Energy that is needed to see.
Natural light sources-	Objects in nature that give out light.
Artificial light sources-	Light made by humans.
Reflection-	The return of light from a material or surface.

### Factual Knowledge-

- Humans need light to see. Darkness is the absence of light.
- Light travels from a light source to an object.
- The light is then reflected from the object into our eyes.
- Reflection is the return of light from a material or surface.

### Key questions-

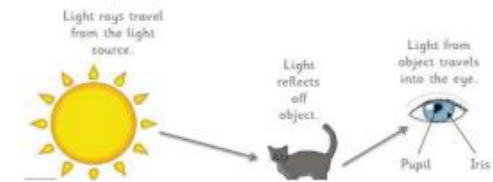
#### How are shadows formed?



#### Is the moon a light source?



#### How do we see objects?



**Pattern Seeking and fair testing:** Look for and measure shadows to find out how they are formed and how they might change.

### Factual Knowledge-

- The Sun is a light source.
- Without the Sun, living things would not be able to live and grow on planet Earth.
- Light from the Sun can be dangerous.
- There are ways to protect your eyes from the Sun.