



St Andrew's C of E Maghull Knowledge Organiser Year 3 - Spring 1 - Science - Light



Knowledge:

- I can recognise that they need light to see things and that dark is the absence of light.
- I can notice that light is reflected from surfaces.
- I can recognise that light from the sun can be dangerous and that there are ways to protect their eyes.
- I can recognise that shadows are formed when the light from a light source is blocked by a solid object.
- I can find patterns in the way that the size of shadows changes.



Vocabulary

- Absence of light** - darkness, the physical condition of absence of light.
- Block** - prevent movement through or past something.
- Dangerous** - able or likely to cause harm or injury.
- Dark/ Darkness** - Little or no light.
- Light** - the natural agent that stimulates sight and makes things visible.
- Light source** - Something that makes/ gives off light.
- Mirror** - a surface which reflects a clear image.
- Sun** - the star that earth orbits, the biggest form of light.
- Sunlight** - light from the sun.
- Reflect/ Reflective** - throwing something back without absorbing it.
- Shadow** - formed when a light source is blocked by an opaque object.
- Surface** - the outside part or uppermost layer of something.

Lesson Sequence:

Lesson 1: I can explain that light is necessary for us to see things.

Lesson 2: I can plan, carry out and review an investigation about sun protection.

Lesson 3: I can explain how shadows are formed.

Lesson 4: I can plan, carry out and review an investigation about the size of shadows.

Lesson 5: I can plan, carry out and review an investigation to compare different materials based on how reflective they are.

Lesson 6: Celebration of Learning!

