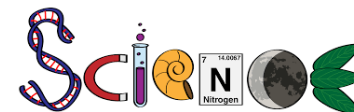




St Andrew's C of E Maghull Science Knowledge Organiser Year 6 – Autumn 1 – Light



Knowledge:

- I can recognise that light appears to travel in straight lines
- I can use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- I can explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- I can use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Vocabulary:

- **straight lines** - light travels in straight lines called rays. Light may change direction when it encounters objects (such as a mirror) or in passing from one material to another (such as in passing from air to glass), but it then continues in a straight line or as a ray.
- **light rays** - light travels in straight lines called rays.

Lesson Sequence:

Lesson 1 – I can explore how light travels.

Lesson 2 – I can explore reflection.

Lesson 3 – I can explore reflection and explain how it can be used to help us see.

Lesson 4 – I can investigate how shadows can change.

Lesson 5 – I can investigate how and why shadows have the same shape as the object that casts them.

Lesson 6 – I can explore light phenomena.

Lesson 7 – Celebration of knowledge.