

Science Vision Map

Year 6 – Light

Crucial Knowledge

- Light sources are things that make light.
- Most light sources give out white light.
- White light is a mixture of colours. When the white light is split it shows these colours which look like a rainbow.
- Light travels in a straight line from where it begins.
- Light must enter our eyes for us to see it.
- Light reflected (thrown back) off objects differs depending on the surface of the object.
- Shadows are made by an object blocking the light.
- Shadows are a similar shape to the objects blocking them.
- Shadows change in length and position due to the sun's position.
- The moon is a piece of rock reflecting the light from the sun.
- Stars in space can only be seen at night because the light from the sun is brighter than the light from the stars.

Intent

- Recap – Space (Year 5)
- Travelling light
- Sunlight and rainbows
- Reflected light: from smooth and rough surfaces
- Seeing light with our eyes
- Shadows: do all materials block light?
- Difference between shadows and reflections
- Light in space (solar system)