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| **Key Facts** |
| Light rays travel in straight lines. |
| Light rays travel directly from **luminous objects** into our eyes. Light rays are reflected off **non-luminous objects** so that we can see them. |
| Light travels as a wave, like sound. However, unlike sound, light does not need a medium to travel through so can travel through a vacuum. |
| Isaac Newton shone a light through a transparent prism, separating out light into the colours of the rainbow – the colours of the visible spectrum.  |
| All the colours in the visible spectrum merge together to make light. |

**Year 6 – Spring 1 – Light**





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| **Key Vocabulary** |
| **Emit** | To give off e.g. to give off light. | **Refraction** | When light bends when it travels through one transparent medium to another e.g. through air to water. |
| **Incident ray** | A ray of light that hits a surface. | **Visible spectrum** | Light that is visible to the human eye. It is made up of a colour spectrum. |
| **Reflected ray** | A ray of light that bounces off a surface. | **Luminous objects** | Something that emits visible light. |
| **The Law of Reflection** | The angle at which the ray hits the surface is equal to the angle at which the ray bounces off the surface. | **Non-luminous objects** | Something that does not emit visible light. |