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| **Lesson 1** | **Lesson 2** | **Lesson 3** | **Lesson 4** |
| **Learning Objectives**  |  |
| I can explain that light travels in straight lines from light sources to our eyes, and from light sources to objects and then to our eyes. | I can understand how mirrors reflect light, and how they can help us see objects. | I can investigate how refraction changes the direction in which light travels.I can investigate how a prism changes a ray of light to show the spectrum. | I can investigate how light enables us to see colours. |
| **Knowledge Goals**That children can demonstrate that light travels in a straight line.Are able to create a model to show how light travels from a light source to our eyes, or to an object and then our eyes.Explain how we see things.  | **Knowledge Goals**Children can explain how light is reflected. Measure the angles of incidence and reflection.**Scientific Skills:**Children can use their understanding of reflection to create a working periscope.Explain how the periscope allows them to see objects they would not usually be able to see. | **Knowledge Goals**Children can understand how light is refracted and are beginning tounderstand how a prism affects a ray of light.Are able to explain what this tells us about the visible spectrum.Describe what Isaac Newton discovered about light.Make a colour wheel and explain what it shows about light.**Scientific Skills:**Talk about how scientific ideas have developed over time | **Knowledge Goals**Explain what Isaac Newton discovered about colour.Children can investigate and understand how light enables us to see colours.**Scientific Skills:**Write a report about their findings that includes a conclusion as well as presenting their data in the appropriate manner. |