**Year 3 Science**

**Week 1-6 Light and shadows**

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| **Lesson**  | **Learning Objective**  | **Resources & Activity**  |
| Week 1 beginning: 1st June 2020     | I can explain that I need light to see things, and that dark is the absence of light. | PowerPoint Light and Dark. Activity 1: Light mind map activity sheet.Activity 2: Light sources sorting cards.Activity 3: Light and dark activity sheet.Extension task: What’s in the bag? Additional resources required for this task included a “feely bag” and variety of items to attempt to identify by feeling. |
| Week 2 beginning: 8th June 2020     | I can investigate which surfaces reflect light. | PowerPoint Reflective surfaces with video link.Activity 1: Choosing a reflective material.Activity 2: Testing reflective materials.Resources required for the reflection experiment:

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| TorchA5 piece of white card6 materials to test such as CDs, tin foil, paper, different fabrics, bubble wrap, cardboard (these suggestions, please use what is available) |

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| Week 3 beginning:15th June 2020    | I can use a mirror to reflect light and explain how mirrors work. | PowerPoint Marvellous Mirrors with video link.Activity 1: Mirror Games (mirror will be needed).Extension task: Marvellous Mirrors quiz |
| Week 4 beginning 22nd June 2020 | I know that light from the sun can be dangerous and that there are ways we can protect our eyes. | PowerPoint Sun Safety with Activities Sun: Hero or Villain and ‘Seeing’ UV lightActivity 1: Sun Safety DesignActivity 2: Sun Safety AdvertAdditional resources: black card/paper, coloured paper. |
| Week 5 beginning 29th June 2020 | I can investigate which materials block light to form shadows. | PowerPoint Making ShadowsActivity 1: Choosing materials

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| Additional resources: 3 equal sized pieces of card, hole punch, a torch, range of different materials to test - ideas include cotton, cling film, net curtains, upholstery fabric, blackout curtain lining, muslin, tracing paper (these are suggestions, please use what is available). |

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| Week 6 beginning 6th July 2020 | I can find patterns when investigating how shadows change size. | PowerPoint Changing ShadowsActivity 1: Investigation planning. Comic Strip Planner.Activity 2: Results and Patterns.

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| Additional resources: a torch, a ruler or metre stick and objects to make shadows. |

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Differentiated tasks: \*Mild, \*\*Spicy and \*\*\* Hot, children need only complete one of these tasks.