**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:   |  | | --- | | Torch  A5 piece of white card  6 materials to test such as CDs, tin foil, paper, different fabrics, bubble wrap, cardboard (these suggestions, please use what is available) | |
| 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 light  Activity 1: Sun Safety Design  Activity 2: Sun Safety Advert  Additional resources: black card/paper, coloured paper. |
| Week 5 beginning 29th June 2020 | I can investigate which materials block light to form shadows. | PowerPoint Making Shadows  Activity 1: Choosing materials   |  | | --- | | 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). | |
| Week 6 beginning 6th July 2020 | I can find patterns when investigating how shadows change size. | PowerPoint Changing Shadows  Activity 1: Investigation planning. Comic Strip Planner.  Activity 2: Results and Patterns.   |  | | --- | | Additional resources: a torch, a ruler or metre stick and objects to make shadows. | |

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