

| Week | Out of the darkness   |   |   |
|------|---|---|---|
|      | Experience  | Literacy  | Discrete  |
|      |   |   | Maths<br>Other  |
| 1    | <p><b>COLD TASK</b></p> <p><b>Know</b> that we need light in order to see things and that darkness is the absence of light.</p> <p><b>Know</b> that light reflects off surfaces.</p> <p><b>Know</b> that the sun is our main light source on earth and it provides light as well as heat.</p> <p><b>Know</b> that you must protect your eyes by never looking directly into the sun.</p> <p><b>Know</b> and understand that shadows are made by blocking out the sun and that they change shape and direction over the course of a day.</p> | <p>Write a character description</p> <p>Write a police report</p> | <p>Reasoning with addition.</p> <p>Subtracting on a number line.</p> <p>Subtracting using the formal written method</p> <p>RE<br/>French<br/>Music<br/>PE</p>                                 |
| 2    | <p><b>Know</b> that shadows change in size and clarity depending on where the light source is.</p> <p><b>Know</b> that shadows change in size and clarity depending on how close the object that is blocking the light is from the surface that the shadow is on.</p> <p><b>Know</b> that shadows change depending on the angle that the light source is held at.</p> <p><b>Understand</b> and plan a fair test with only one variable staying the same.</p>  | <p>Write a newspaper report</p>                                   | <p>Reasoning with subtraction</p> <p>Efficient methods to subtract.</p> <p>Formal written methods to subtract including 1 and more than 1 exchange.</p> <p>RE<br/>French<br/>Music<br/>PE</p> |

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| 3 | <p><b>Apply knowledge</b> of recording to record my findings with drawings to back them up.</p> <p><b>Demonstrate</b> how shadows are formed by making a shadow puppet that incorporates different depths of shadows.</p> <p><b>Use</b> and <b>apply</b> knowledge of how shadows are made to plan and make your own shadow puppet.</p> <p><b>Evaluate effectiveness</b> of shadow puppet and make improvements where needed.</p> <p><b>Hot Task</b></p> | Write a shadow puppet play | Problem solving using subtraction.<br>Estimating answers for addition and subtraction. | RE<br>French<br>Music<br>PE |
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