

Foston CE, Terrington CE VA & Stillington Primary Schools  
 Science Subject Long Term Plan  
 'Love, Learn & Grow Together'

|                            |   |  |
|----------------------------|---|--|
| <b>Subject:</b><br>Science | <b>Golden Threads &amp; Key Concepts:</b><br><br><b>Subject Intent:</b><br>Children to learn a deep curiosity about the world around them, and to experience the wonder which comes with gaining a knowledge and understanding about the processes and systems they can and can't see. <ul style="list-style-type: none"> <li>• The ability to think independently and raise questions about working scientifically and the knowledge and skills that it brings.</li> <li>• Confidence and competence in the full range of practical skills.</li> <li>• Excellent scientific knowledge and understanding which is demonstrated in written and verbal explanations.</li> <li>• Scientific enquiry skills to be embedded in each topic throughout the school to allow the children to build upon prior knowledge.</li> <li>• The ability to undertake practical work in a variety of contexts.</li> </ul> | <b>Curriculum Enhancers:</b><br>Sustainability<br>Creativity<br>Diversity<br>Community |
|----------------------------|---|--|

| Progression     | EYFS<br>A              | EYFS<br>B                  | KS1 A              | KS1 B                | KS2 A   | KS2B                                   | KS2 C   | KS2 D   |
|-----------------|------------------------|----------------------------|--------------------|----------------------|---|--|---|---|
| <b>Autumn 1</b> | Autumn<br>All About Me | Human body<br>All about me | Materials          | Changes in materials | Adaptations (Y3)<br>Humans and animals over time (Y6)             | Space (Y5)<br><i>Katherine Johnson</i> | Notable Scientists                                    | Magnetism (Y3)<br>Forces (Y5)<br><br><i>William Gilbert</i>           |
| <b>Autumn 2</b> | Light                  | Light                      | Building things    | Human life cycle     | Ecosystems (Y4)<br><br>Sustainability (Y5)<br><i>Jane Goodall</i> | Rocks<br><br><i>James Hutton</i>       | Adaptations (Y3)<br>Humans and animals over time (Y6) | Light and Dark (Y3)-6<br><br>Light (Y6)-6<br><br><i>Thomas Edison</i> |
| <b>Spring 1</b> | Polar Habitats         | Woodland habitats          | The animal kingdom | Habitats             | Electricity   | Forces and Magnets (Y3)                | Electricity   | Diet and Lifestyle (Y6)   |

Commented [CH1]: Add in working scientifically progression column/details

|                 |                                     |                              |                          |                              |  |   |  |   |
|-----------------|-------------------------------------|------------------------------|--------------------------|------------------------------|--|---|--|---|
|                 | Climate change                      | Rainforest habitats          | <i>Jane Goodall</i>      |                              | <i>Michael Faraday</i>                               | Forces (Y5)<br><i>Isaac Newton</i>  |  |   |
| <b>Spring 2</b> | Growing plants and growing babies   | Growing animals and spring   | Plants                   | Plants<br><i>Jane Colden</i> | Sound Y4<br><i>Alexander Graeme Bell</i>             | Raw and synthetic materials (Y3)- 6<br><br>Properties and changes of materials (Y5) | The ecosystem (Y4)<br>Sustainability (Y6)                        | Human anatomy (Y4)-6<br><br>Reproductive life cycles (Y5) -6<br><br><i>Alexa Canady</i> |
| <b>Summer 1</b> | Transport-forces and movement       | Journeys-forces and movement | Extraordinary Scientists | Seasonal changes             | States of Matter (Y3)<br>Separating Mixtures (Y5)    | Plants<br><i>George Washington Carver</i>   | States of matter (Y3)- 6<br><br>Separating mixtures (Y5)- 6      | Plants  |
| <b>Summer 2</b> | Under the sea- Floating and sinking | Summer                       | Seasonal Changes         | Scientific Enquiry           | Digestive System (Y3/4)<br>Circulatory System (Y5/6) | Light and dark (Y3)<br>Light (Y6)   | Y3/4 - The Digestive System<br><br>Y5/6 - The Circulatory System | Raw and synthetic materials (Y3)- 6<br><br>Properties and changes of materials (Y5)     |