



**Science Long Term Plan Years EYFS - 6**

**EYFS**

| Autumn                                                                                                                                                                                                                                                                                                                                                              |          | Spring                                                                                                                                                                                                                                                                                                                                                      |          | Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ELG                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>To ask questions about the natural environment</li><li>To respect and care for the natural environments</li><li>Once Upon a Time experiments</li><li>To know about and recognise the signs of Autumn</li><li>To know about features of the world and Earth</li><li>To name different materials and their properties</li></ul> |          | <p>freezing, melting, liquids-solids</p> <p>To know about and recognise the signs of Winter</p> <p>To know some important processes and changes in the natural world including states of matter</p> <p>Long, Long Ago – Dinosaurs</p> <p>To know the different between herbivores and carnivores</p> <p>To know about and recognise the signs of Spring</p> |          | <p>The Great Outdoors</p> <p>To know about features of my own immediate environment and how they might vary from another</p> <p>To learn about lifecycles of plants and animals</p> <p>To know about different habitats</p> <p>To learn about lifecycles of plants and animals (The Great Outdoors – animals, hatching chicks)</p> <p>Growth and Change</p> <p>To know about and recognise the signs of Summer</p> <p>To know that some things in the world are man-made and some things are natural</p> <p>To harvest grown fruit and vegetables</p> <p>To understand pollution and how we can look after the environment</p> | <p>Explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.</p> <p>Understand some important processes and changes in the natural world around them including the season and changing states of matter.</p> |
| Year 1                                                                                                                                                                                                                                                                                                                                                              |          |                                                                                                                                                                                                                                                                                                                                                             |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Autumn 1                                                                                                                                                                                                                                                                                                                                                            | Autumn 2 | Spring 1                                                                                                                                                                                                                                                                                                                                                    | Spring 2 | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Summer 2                                                                                                                                                                                                                                                                                                                                                                                                                           |



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|---------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Forces and space:<br>Seasonal changes | Materials: Everyday<br>materials        | Animals: Sensitive bodies                | Animals:<br>Comparing<br>animals   | Plants: Introduction to plants | Making connections<br><br>Bringing together pupils'<br>learning from multiple<br>Science units, helping<br>them to make<br>connections between the<br>key concepts and skills. |
| Year 2                                |                                         |                                          |                                    |                                |                                                                                                                                                                                |
| Autumn 1                              | Autumn 2                                | Spring 1                                 | Spring 2                           | Summer 1                       | Summer 2                                                                                                                                                                       |
| Living things: Habitats               | Living things:<br>Microhabitats         | Materials: Uses of<br>everyday materials | Animals: Life<br>cycles and health | Plants: Plant growth           | Making connections<br><br>Bringing together pupils'<br>learning from multiple<br>Science units, helping<br>them to make<br>connections between the<br>key concepts and skills. |
| Year 3                                |                                         |                                          |                                    |                                |                                                                                                                                                                                |
| Autumn 1                              | Autumn 2                                | Spring 1                                 | Spring 2                           | Summer 1                       | Summer 2                                                                                                                                                                       |
| Animals: Movement and<br>nutrition    | Forces and space: Forces<br>and magnets | Materials: Rocks and soil                | Energy: Light and<br>shadows       | Plants: Plant reproduction     | Making connections<br><br>Bringing together pupils'<br>learning from multiple<br>Science units, helping<br>them to make<br>connections between the<br>key concepts and skills. |
| Year 4                                |                                         |                                          |                                    |                                |                                                                                                                                                                                |
| Autumn 1                              | Autumn 2                                | Spring 1                                 | Spring 2                           | Summer 1                       | Summer 2                                                                                                                                                                       |



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|-------------------------------------------------|------------------------------------------|------------------------------------------------------------|----------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Animals: Digestion and food</b>              | <b>Energy: Electricity and circuits</b>  | <b>Living things: Classification and changing habitats</b> | <b>Materials: States of matter</b>                 | <b>Energy: Sound and vibrations</b>        | <b>Making connections</b><br><br><b>Bringing together pupils' learning from multiple Science units, helping them to make connections between the key concepts and skills.</b> |
| <b>Year 5</b>                                   |                                          |                                                            |                                                    |                                            |                                                                                                                                                                               |
| <b>Autumn 1</b>                                 | <b>Autumn 2</b>                          | <b>Spring 1</b>                                            | <b>Spring 2</b>                                    | <b>Summer 1</b>                            | <b>Summer 2</b>                                                                                                                                                               |
| <b>Materials: Mixtures and separation</b>       | <b>Materials: Properties and changes</b> | <b>Forces and space: Earth and space</b>                   | <b>Living things: Life cycles and reproduction</b> | <b>Forces and space: Imbalanced forces</b> | <b>Animals: Human timeline / Making connections</b>                                                                                                                           |
| <b>Year 6</b>                                   |                                          |                                                            |                                                    |                                            |                                                                                                                                                                               |
| <b>Autumn 1</b>                                 | <b>Autumn 2</b>                          | <b>Spring 1</b>                                            | <b>Spring 2</b>                                    | <b>Summer 1</b>                            | <b>Summer 2</b>                                                                                                                                                               |
| <b>Living things: Classifying big and small</b> | <b>Energy: Light and reflection</b>      | <b>Living things: Evolution and inheritance</b>            | <b>Energy: Circuits, batteries and switches</b>    | <b>Animals: Circulation and exercise</b>   | <b>Making connections</b>                                                                                                                                                     |