



# Science Overview

|               | Nursery   | Reception  | Year 1  | Year 2  | Year 3  | Year 4   | Year 5                                    | Year 6   |
|---------------|---|--|---|---|---|--|---|--|
| <b>Unit 1</b> |   | Autumn season<br>Nature table –<br>exploring natural<br>world around<br>them.  | Seasonal changes<br><b>9 hours</b><br><b>(REVISITED<br/>throughout the<br/>year)</b>                    | Habitats<br>(needs)<br><b>12 hours</b><br><b>(Taught in small<br/>chunks through<br/>the year, Start in<br/>Autumn)</b>                   | Rocks<br><b>9 hours</b>                           | Habitats<br>(classification/<br>changes)<br><b>9 hours</b><br><b>(REVISITED<br/>throughout the<br/>year)</b> | Materials<br>(changes)<br><b>15 hours</b> | Habitats<br>(classification)<br><b>9 hours</b>       |
| <b>Unit 2</b> | Nature tables<br>–investigation<br>and exploring      | Seasonal Change<br>– Winter Season   | Plants<br>(naming and<br>structure)<br><b>9 hours</b><br><b>(REVISITED<br/>throughout the<br/>year)</b> | Plants<br>(Germination/<br>conditions)<br><b>9 hours</b><br><b>(Taught in small<br/>chunks through<br/>the year, Start in<br/>Autumn)</b> | Animals (diet and<br>skeletons)<br><b>9 hours</b> | Sound<br><b>9 hours</b>  | Forces<br><b>9 hours</b>                  | Animals<br>(circulatory<br>system)<br><b>9 hours</b> |
| <b>Unit 3</b> | Materials –<br>similar and<br>different<br>properties | Planting cress<br>investigation<br><br>Floating and<br>sinking<br><br>Planting beans –<br>what do they<br>need to grow.<br>Life cycle of a<br>bean.<br><br>Natural and man<br>– made materials<br>to build a house | Animals<br>(classification/<br>senses)<br><b>12 hours</b>   | Materials-<br>Autumn<br>(suitability)<br><b>10.5 hours</b>  | Forces<br>(and magnets)<br><b>9 hours</b>         | Materials<br>(grouping/<br>changes)<br><b>9 hours</b>  | Earth and space<br><b>9 hours</b>         | Evolution and<br>inheritance<br><b>9 hours</b>       |

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|               |  | for the three little pigs.  |   |  |  |  |   |  |
| <b>Unit 4</b> | Forces –different forces they can feel push/pull                 | Looking at different types of animals, zoo, farm, under the sea,<br>Categorised the animals.<br>Life cycles, habitats, mothers and babies (names).<br><br>Exploring hot and cold environments (Antarctica and where we live) – explore ice.<br><br>Animals which hatch from eggs. | Materials (everyday materials)<br><b>12 hours</b> | Animals (offspring and needs)<br><b>12 hours</b> | Light<br><b>9 hours</b>  | Animals (teeth and digestive system and food chains)<br><b>9 hours</b> | Habitats (life cycle/ reproduction)<br><b>9 hours</b> | Electricity (varying components)<br><b>9 hours</b> |
| <b>Unit 5</b> | Plants-what a plant needs to grow<br>Life cycle plant and animal | 5 senses linked to Goldilocks.<br><br>Habitats and different climates for different bears – polar, panda, brown and sun bears.  |   |  | Plants (functions)<br><b>9 hours</b><br><b>(REVISITED throughout the year)</b> | Electricity (simple circuits)<br><b>9 hours</b>                        | Animals (changes)<br><b>9 hours</b>                   | Light<br><b>9 hours</b>                            |

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|               |  | <p>Ice – freezing and melting linked to polar bears.</p> <p>Hibernation – animals (linked to Gruffalo)</p> <p>Dark and light sources<br/>Shadows</p> <p>Man – made and natural materials (Non – fiction texts)</p> |  |  |  |  |  |  |
| <b>Unit 6</b> |  | <p>Seasonal Change – Summer</p> <p>Look at Space and talk about the planets, materials.</p> <p>Experiment – bubbling planets – changing state of materials.</p> <p>Sorting and naming fruit and vegetables.</p>    |  |  |  |  |  |  |

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|  |  | Sorting dinosaurs into different criteria.<br>Carnivores and Herbivores<br><br>Explore and make fossils. |  |  |  |  |  |  |
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