**Science LTP / Curriculum overview 2023-24**

|  | **Autumn 1** | | **Autumn 2** | | **Spring 1** | **Spring 2** | | **Summer 1** | | | **Summer 2** |
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| **Nursery** | Toys - forces/materials  Introduce seasons - Autumn | | Materials collage, look at texture  Seasons -Winter | | Forces - magnets  Cookery - Pizza | Floating and sinking  Cookery - biscuits  Seasons - Spring | | Minibeasts and growing  Planting/caring for the environment. Butterflies - life cycle/observation. | | | Forces - pushing boat under water  Seasons - Summer |
| **Reception** | **Into the woods**  Seasonal Changes  Explore and compare the different habitats and environments | | **Commotion in the Ocean**  Ocean conservation. Changes in the natural world. Seasons. Changing states of matter | | **Around the world**  Compare features of the world , both natural and made by people. | **Aliens in space**  Space and space travel  Recognising different environments | | **Ready, steady, grow**  Growing.  Farming - My Weather, My food  Minibeasts | | | **Castles, knights, dragon**s  Materials |
| **Year 1** | **Seasonal Changes**  How does the weather change across seasons? Can we record and measure the wind and rain? | **Materials**  How do the properties of everyday materials affect their usefulness and functions in our lives? | | | **Animals Including Humans**  How do animals, including humans, explore and understand their world through senses? | | | **Seasonal Changes**  How does the weather change across seasons? Can we compare the wind speed and rainfall? | | | **Plants**  Are plants alive? |
| **Year 2** | **Living Things & Their Habitats**  How do living things and their habitats interact, adapt and depend on each other for survival and growth? | | | | **Plants**  Can plants grow as big in the shade? | **Uses of everyday materials**  Why is it important to select an appropriate material for the job? | | **Animals, including humans**  How do living creatures, including humans, grow, change and maintain their health? | | | |
| **Year 3** | **Animals, including humans**  Could animals (including humans) survive without a skeleton? | | | **Light**  How does light shape our understanding of the world around us? | **Plants**  How do plants adapt and thrive in their environments? | **Rocks**  What might happen if we had the same types of rocks and soil all over the world? | | **Forces and magnets**  Does the size and shape of a magnet affect how strong it is? | | | |
| **Year 4** | **Animals, including humans**  What do our bodies do with the food we eat? | | | **Sound**  Why does sound echo in a larger room and not in a small room? | **States of matter**  How can water change? | **Living things and their habitats**  Are living things in danger? | | **Electricity**  What would life be like without electricity? | | | |
| **Year 5** | **Animals including humans**  How does the journey of life unfold from gestation to old age across different species and within ourselves? | | **Living things and their habitats.**  Do all plants and animals reproduce in the same way? | | **Forces**  What is the most effective way to move an object? | **Earth and space**  Does the size of a planet affect the length of its orbit? | | **Properties and changes in materials**  How can we understand, manipulate, and utilise the properties of materials to solve real-world challenges? | | | |
| **Year 6** | **Living things and their habitats**  Why do we need to classify living things? | | **Evolution and inheritance**  Are all living things the same? | | **Animals including humans**  How do our choices affect how our bodies work? | | | **Electricity**  How have batteries changed the evolution of electricity? | | **Light**  Why does my shadow change over the course of a day? | |