**Science LTP 2024-25**

|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
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| **Nursery** | Toys - forces/materialsIntroduce seasons - Autumn | Materials collage, look at textureSeasons -Winter | Forces - magnetsCookery - Pizza | Floating and sinkingCookery - biscuitsSeasons - Spring | Minibeasts and growingPlanting/caring for the environment. Butterflies - life cycle/observation.  | Forces - pushing boat under waterSeasons - 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 travelRecognising different environments | **Ready, steady, grow**Growing. Farming - My Weather, My foodMinibeasts | **Castles, knights, dragon**sMaterials |
| **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** | **Forces and magnets**Does the size and shape of a magnet affect how strong it is? | **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? | **Animals, including humans** Could animals (including humans) survive without a skeleton? | **Light** How does light shape our understanding of the world around us? |
| **Year 4** | **Living things and their habitats** Are living things in danger? | **States of matter** How can water change? | **Animals, including humans** What do our bodies do with the food we eat? | **Electricity** What would life be like without electricity? | **Sound** Why does sound echo in a larger room and not in a small room? |
| **Year 5** | **Earth and space** Does the size of a planet affect the length of its orbit? | **Forces** What is the most effective way to move an object? | **Properties and changes in materials** How can we understand, manipulate, and utilise the properties of materials to solve real-world challenges? | **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? |
| **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? |