**Subject Overview: \_\_\_Science\_\_\_**

**2022-2023**

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|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Reception | **Introduction to Science. Looking at everyday materials – Outdoor learning walk.**  | **Changing seasons** **Hibernation**  | **Space****Forces** | **Recycling** | **Planting and Growing****Features of a plant** | **Farm animals****My senses** |
| Year 1 | **Seasonal Change*** **The four seasons**

**Seasonal weather** | **Everyday materials*** **Properties of materials**

**Grouping materials** | **Animals including humans*** **Human body and senses**
 | **Animals including humans*** **Name common animals**
* **Carnivores, Herbivores, Omnivores**
 | **Plants*** **Plant structure**
 | **Plants*** **Common plants**
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| Year 2 | **Everyday materials*** **Identify different materials**
* **Name everyday materials**
* **Properties of materials**
 | **Everyday materials*** **Compare the use of different materials**
* **Compare movement on different surfaces**
 | **Animals, including humans*** **Animal reproduction**
* **Healthy living**
* **Basic needs**
 | **All living things and their habitats*** **Alive or dead**
* **Habitats**
* **Adaptations**
* **Food chains**
 | **Plants*** **Plant and seed growth**
* **Plant reproduction**
 | **Plants*** **Keeping plants healthy**
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| Year 3 | **Rocks*** **Fossil formation**
* **Compare and group rocks**
* **Soil**
 | **Light*** **Reflections**

**Shadows** | **Forces*** **Different Forces**
* **Magnets**
 | **Plants*** **Basic structure and functions**

**Plant life** | **Plants*** **Life cycle**
* **Water transportation**
 | **Animals including humans*** **Skeleton and muscles**
* **Nutrition**

**Exercise and health** |
| Year 4 | **Electricity** * **Uses of electricity**
* **Simple circuits and switches**
* **Conductors and insulators**
 | **Sound*** **How sounds are made**
* **Sound vibrations**
* **Pitch and Volume**
 | **Animals, including humans*** **Digestive system**
* **Teeth**
* **Food chains**
 | **All living things and their habitats*** **Grouping living things**
* **Classification keys**
* **Adaptation of living things**
 | **States of matter*** **Compare and group materials**
* **Solids, liquids and gases**
* **Changing state**
 | **States of matter*** **Water cycle**
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| Year 5 | **Forces*** **Gravity**
* **Friction**
* **Forces and motion of mechanical devices**
 | **Earth and Space*** **Movement of the Earth and the planets**
* **Movement of the Moon**
* **Night and day**
 | **Animals, including humans*** **Changes as humans develop from birth to old age**
 | **All living things and their habitats*** **Life cycles – plants and animals**
* **Reproductive processes**
* **Famous naturalists**
 | **Properties and changes in materials*** **Compare properties of everyday materials**
* **Soluble/ dissolving**
 | * **Properties and changes in materials**
* **Reversible and irreversible substances**
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| Year 6 | **Electricity** * **Electrical components**
* **Simple circuits**
* **Fuses and voltage**
 | **Light*** **How light travels**
* **Reflection**
* **Ray models of light**
 | **Animals, including humans*** **The circulatory system**
* **Water transportation**
* **Impact of exercise on body**
 | **All living things and their habitats*** **Classification of living things and the reasons for it**
 | **Evolution and inheritance*** **Identical and non-identical off-spring**
* **Fossil evidence and evolution**
 | **Evolution and inheritance*** **Adaptation and evolution**
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