**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** |
| 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** |
| 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** |
| 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** |
| 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** |