**Subject Overview: Science**

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|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Daycare | All about me – exploring the natural world and natural objects | Sensory Seasons –  exploring natural textures, animals and seasonal changes | Once upon a time –Noticing light and shadows  Plants | Who can help me? – exploring materials and simple natural processes | Let’s go outside – planting seeds | Noisy farm –  exploring how plants change and grow |
| Nursery | Me and my home –investigating materials and how they change | Amazing Autumn –investigating seasons and weather | Once upon a time –  exploring light and shadows.  Growth and habitats | People who help us – Forces and changes of state | In the garden –  Investigating water, and life cycles | Fabulous farm animals –  Investigating living things |
| Reception | In my Manchester home – Senses, hygiene, the human body | Tremendous trees and woodland animals –  Trees, animals and habitats | Once upon a time –  Plants and animals | Home and away – Investigating light and shadows, floating and sinking, caring for the environment | In the garden –  plant and animal lifecycles and food chains | Down on the farm – identifying farm animals and understanding their basic needs. |
| Year 1 | Everyday materials   * Properties of materials * Grouping materials | Seasonal Change   * The four seasons * Seasonal weather | Animals including humans   * Human body and senses | Animals including humans   * Name common animals * Carnivores, Herbivores, Omnivores | Plants   * Plant structure * Common plants | Revisit (based on assessment) |
| 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 * Keeping plants healthy | Revisit (based on assessment) |
| Year 3 | Rocks   * Fossil formation * Compare and group rocks * Soil | Light   * Reflections   Shadows | Forces   * Different Forces * Magnets | Animals including humans   * Skeleton and muscles * Nutrition   Exercise and health | Plants   * Life cycle * Water transportation Basic structure and functions * Plant life | Revisit (based on assessment) |
| 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 * Water Cycle | Revisit (based on assessment) |
| 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 | Properties and changes in materials   * Compare properties of everyday materials * Soluble/ dissolving * Reversible and irreversible substances | All living things and their habitats   * Life cycles – plants and animals * Reproductive processes * Famous naturalists | Animals, including humans   * Changes as humans develop from birth to old age | Revisit (based on assessment) |
| 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 * Adaptation and evolution | Revisit (based on assessment) |