**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 shadowsPlants | 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) |