**Science in the Early Years
Reception 2022-23**

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| **EYFS Understanding the World Educational Programme (EYFS Statutory Framework 2021)** |

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| **Autumn** |
| **Autumn 1: You choose (All about me)** * Life cycle of a human
* Talk about how we have changed since babies
* Identify changes in the environment during Autumn
* Explore materials and their purposes (houses and toys)
* Experience and discuss how exercise affect
 | **Autumn 2: Exploring** * Begin to name planets in the solar system
* Explore light and shadows through touches
* Find out about astronauts
* Observe the changes to water in different temperatures (freezing and melting).
* Begin to notice the changes to the environment during winter
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| **Spring** |
| **Spring 1: The Past** * Continue to explore the changes in Winter
* Identify herbivores, omnivores and carnivores (Dinosaurs)
* Name different parts of dinosaurs and begin to understand animals/features from the past.
* Compare different types of dinosaurs
* Understand how materials such as fossils and artefacts can be used to inform about the past.
* Cave Baby – what materials where used during the Stone Age e.g. for cave paintings?
 | **Spring 2: Fantasy** * Explore different materials and their properties
* Observe the changes that occur in spring
* Begin to understand occupations such as vets, doctors
* Learn about how we are able to care for the natural environment
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| **Summer** |
| **Summer 1: On the Farm** * Understand the features/purpose of farms
* Explore and observe different plants including fruit and vegetables
* Understand how to care for plants
* Plant a seed and observe the changes
* Compare plants
* Begin to understand where food comes from and understanding how certain foods affect our bodies
* Life cycle of animals - Name and discuss many different animals
 | **Summer 2: Oceans** * Sort materials into those that float and those that sink
* Create own floating object
* Name, describe and sort different sea creatures
* Discuss similarities and difference in relation to sea creatures
* Importance of protecting oceans and environment
* Compare habitats of sea creatures
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