Science Curriculum – Cycle A and B
Long Term Plan

Two Year Olds

	Autumn	Spring	Summer
Cycle A	**Let's Explore the Animal Kingdom** Animals and their young Class pet - goldfish	**Fairytales and Castles** Planting seeds and taking care of them	**Oh I Do Like To Be Beside the Seaside** Sensory seaside bottles Visiting the beach and exploring the sand
Cycle B	**Marvellous Me** Autumn collection bags	**If You Go Down to the Woods** Exploring in the woods/living things	**Let's Investigate** Treasure baskets Splashing in puddles

Nursery

	Autumn	Spring	Summer
Cycle A	**Let's Explore the Animal Kingdom** Exploring in the pet shop.	**Fairytales and Castles** Melting ice	**Oh I Do Like To Be Beside the Seaside** Forces I can feel outside. Taking care of living things. Life cycle of a minibeast/plant.
Cycle B	**Marvellous Me** Exploring how toys work.	**If You Go Down to the Woods** Which material will keep me dry to go on a bear hunt?	**Let's Investigate** Life cycle of a minibeast/plant. Forces I can feel.

Reception

	Autumn	Spring	Summer
Cycle A	**Let's Explore the Animal Kingdom** Can I talk about the changes in Autumn/Winter? Can I talk about and describe different animals?	**Fairytales and Castles** Can I talk about the changes in Spring? Can I take care of a growing plant?	**Oh I Do Like To Be Beside the Seaside** Can I talk about the changes in Summer? Can I talk about sea creatures and the natural world they live in?
Cycle B	**Marvellous Me** Can I talk about the changes in Autumn/Winter? Can I talk about my senses whilst I am outside?	**If You Go Down to the Woods** Can I talk about the changes in Spring? Can I explore the natural world around me?	**Let's Investigate** Can I talk about the changes in Summer?

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	Autumn Term	Autumn Term	Spring Term	Spring Term	Summer Term	Summer Term
			Key Stage 1			
Cycle A	**Animals including humans** What are the different types of animals and what are they like?	**Living things and their habitats** Where do living things live and why?	**Everyday materials and their uses** What is it made from and what is it like?	**Plants** What does a plant need to grow and stay healthy?		Enquiry/Revision Based Unit
Cycle B	**Animals including humans** Why do I have senses?	**Living things and their habitats** What is a food chain?	**Everyday materials and their uses** What is it made from and how is it suitable?	**Plants** What are the different types of plants/trees and what are their parts called?		Enquiry/Revision Based Unit
Cycle B Only	**Seasonal Changes** What happens in autumn?		**Seasonal Changes** What happens in winter and spring		**Seasonal Changes** What happens in summer?	
			Lower Key Stage 2			
Cycle A	**Animals including humans** How does my body work?	**Living things and their habitats** What living things are in the environment?	**Light** What is light and where does it come from?	**Rocks** How are rocks made?	**Plants** What are the different parts of a plant for?	
Cycle B	**Animals including humans** Why do animals have different teeth?	**States of matter** How does temperature affect different substances?	**Electricity** What is a series circuit?	**Sound** How are sounds made?	**Forces and Magnets** How does a magnet work?	Enquiry/Revision Based Unit
			Upper Key Stage 2			
Cycle A	**Animals including humans** How will my body change as I get older?	**Living things and their habitats** How can living things be classified?		**Forces** What did Isaac Newton discover?	**Light** How do we see?	**Earth and Space** What are the planets within our solar system?
Cycle B	**Animals including humans** Why do I have a pulse?	**Properties and changes of materials** How can materials be changed?		**Living things and their habitats** What is a life-cycle?	**Electricity** Can we vary the affect of electricity?	**Evolution and Inheritance** What was the world like a million years ago?