

## EYFS Long Term Plan - Science

		Health and Self-Care (Taught throughout the year)	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Caterpillars	Themes		All about me	Colours Everywhere!	On the go	On the farm	Yummy foods	Seaside
	Development Matters Objectives		Explore and respond to different natural phenomena in their setting and on trips.	Explore and respond to different natural phenomena in their setting and on trips.  Explore natural materials, indoors and outside.	Explore and respond to different natural phenomena in their setting and on trips.  Explore materials with different properties.	Explore and respond to different natural phenomena in their setting and on trips.  Explore natural materials, indoors and outside.	Explore and respond to different natural phenomena in their setting and on trips.	Explore and respond to different natural phenomena in their setting and on trips.  Explore natural materials, indoors and outside.
	Key Learning	I can wash my hands.  I can try different flavours and foods.	I can talk about the weather.	I can explore colour.  I can investigate and respond to autumnal objects.	I can look for signs of Winter.  I can explore different vehicles and how they move.	I can look for signs of Spring.  I can observe how living things grow.	I can observe how living things grow	I can look for signs of Summer.
Butterflies	Themes		All about me	Celebrations of the World	Space	New life	Traditional Tales	People who help us
	Development Matters Objectives		Understand the key features of the life cycle of a plant and an animal.	Use all their senses in hands-on exploration of natural materials.  Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary	Explore and talk about different forces they can feel.  Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary.  Talk about the differences between materials and changes they notice.	Plant seeds and care for growing plants.  Understand the key features of the life cycle of a plant and an animal.  Begin to understand the need to respect and care for the natural environment and all living things.  Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary.	Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary	Talk about the differences between materials and changes they notice.  Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about what they see, using a wide vocabulary
	Key Learning	I can talk about how to keep clean.  I can talk about why I need to wash my hands.	I can talk about how I have grown from when I was a baby.  I can talk about how I look different from when I was a baby and now, what I can	I can talk about how I know it is the Autumn time by looking at the environment around me.	I can talk about how I know it is the Winter time by looking at the environment around me.  I can use words to	I can talk about how I know it is the Spring time by looking at the environment around me.  I can explain that	I can talk about the materials of some objects and say if they are hard and soft, strong or weak.	I can talk about how I know it is the Summer time by looking at the environment around me.  I can talk about

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		I can sort foods that are healthy or unhealthy.  I know I need to do some exercise to keep fit and healthy.	do now. e.g. size of clothes etc.		describe the cold and what happens when ice is in my hand.  I can explore forces.	plants grow and die over time.  I know that you have to look after and take care of living things to help them to grow.  I can talk about how animals grow.	I can explain which materials would make a strong bridge.	which materials float and sink.  I can begin to explain why some materials float and sink.
Reception	Class Themes		All about me	Mini-beasts	Transport	The world	Under the sea	Superheroes
	Science Themes		Understanding the 5 Senses  Seasonal Change – Autumn	Seasonal Change – Autumn  Minibeasts  Changing states of water	Seasonal Change – Winter  Exploring forces with vehicles	Seasonal Change – Spring  Plants and growing	Magnets and over and under the sea	Seasonal Change – Summer  Keeping healthy
	Development Matters Objectives		Understand the effect of changing seasons on the natural world around them.  Describe what they see, hear and feel whilst outside.	Understand the effect of changing seasons on the natural world around them.  Explore the natural world around them.	Understand the effect of changing seasons on the natural world around them.  Explore and talk about different forces they can feel.	Understand the effect of changing seasons on the natural world around them.  Describe what they see, hear and feel whilst outside.	Explore the natural world around them.	Understand the effect of changing seasons on the natural world around them.
	Key Learning	I can explain why it is important to keep clean and how I can do this.  I can explain why I need to wash my hands.  I can explain about why it is important to clean my teeth.  I can explain why some foods are healthy or unhealthy.	I can understand my 5 senses and use them to learn about my environment.  I can talk about Autumn and describe how some things in my environment are changing e.g. leaves, weather.	I can talk about Autumn and describe how some things in my environment are changing e.g. leaves, weather.  I can discover the animals in my environment.  I can explain what happens when you freeze water.  I can talk about how to turn ice back into water by melting.  I will investigate how to melt ice in different ways.	I can talk about Winter and describe how some things in my environment are changing.  I can explore forces using vehicles and ramps	I can talk about Spring and describe how some things in my environment are changing.  I can investigate plants and recognise and explain that plants grow.	I can explore how a magnet attracts an object.  I can explore how a boat floats on water.	I can talk about Summer and describe how some things in my environment are changing.  I can explain why some foods are healthy or unhealthy.  I can explain why it is important to exercise.

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<b>Early Learning Goals</b>	<b>The Natural World</b> <ul style="list-style-type: none"> <li>• Explore the natural world around them, making observations and drawing pictures of animals and plants.</li> <li>• Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.</li> <li>• Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</li> </ul>							