

Science Long Term Plan 2021 - 2022

EYFS

Autumn 1 – ➤ All About Me – Senses, growth and change (humans)	Autumn 2 – ➤ Dinosaurs – comparing and grouping ➤ Seasonal Changes	Spring 1 – ➤ Everyday materials	Spring 2 – ➤ Life cycles ➤ The ocean	Summer 1 – • Life cycles	Summer 2 – • Growing
<ul style="list-style-type: none"> • I know about the life cycle of a human. • I can talk about how I have changed since I was a baby. • I can talk about similarities, differences, pattern and change in relation to people. • I can talk about the 5 senses. 	<ul style="list-style-type: none"> • I can identify which dinosaurs are plant or meat eaters. • I can talk about similarities and differences in relation to dinosaurs. • I can name different body parts from dinosaurs. • I can talk about changes I can see in winter. • Investigating the seasons and the changes in the weather. • Why are there so many leaves on the ground? 	<ul style="list-style-type: none"> • Naming and sorting everyday materials. • Discuss how the materials feel • Begin to understand and explain the uses of some materials • Why didn't the brick house blow down in the Three Little Pigs? • Why couldn't the gingerbread man swim? 	<ul style="list-style-type: none"> • Life cycle of a hen/duck • Observing the eggs and stages of growth • Understand how to care and provide for the eggs/animals • Similarities and differences of living things • The impact of plastic in our oceans • How we can support and make an impact on the amount of plastic that ends up in the ocean. • Floating and sinking-linking to materials (Spring 1) 	<ul style="list-style-type: none"> • Life cycle of a butterfly • Observing the caterpillars and stages of growth • Understand how to care and provide for minibeasts • Similarities and differences of living things 	<ul style="list-style-type: none"> • I can name parts of a plant. • I know how to care for growing plants. • I know some similarities and differences in relation to plants.

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<ul style="list-style-type: none"> ➤ Season changes and daily weather (Physics) ➤ Introduce plants – trees (Biology) Animals including humans (Biology)		<ul style="list-style-type: none"> ➤ Materials (Chemistry) ➤ Revisit animals including humans (Biology) 		<ul style="list-style-type: none"> ➤ Plants (Biology) ➤ Revisit plants, animals including humans and seasonal change and weather 	
Year 2	<ul style="list-style-type: none"> ➤ Biology - Living things and their Habitats 	<ul style="list-style-type: none"> ➤ Biology - Animals including Humans 	<ul style="list-style-type: none"> ➤ Chemistry – Use of everyday materials ➤ Revisit living things and their habitats/material 		<ul style="list-style-type: none"> ➤ Biology – Plants ➤ Revisit living things and their habitats/animals including humans 	
Year 3			<ul style="list-style-type: none"> ➤ Physics - Forces and Magnets ➤ Physics - (Light) ➤ Revisit Rocks 		<ul style="list-style-type: none"> ➤ Biology - Plants ➤ Biology - Animals including humans 	
Year 4			<ul style="list-style-type: none"> ➤ Chemistry - Rocks ➤ Physics - Electricity (revisit light Year 3) 	<ul style="list-style-type: none"> ➤ Biology - Animals including humans (Revisit Year 3) ➤ Biology - Living things and their habitats 	<ul style="list-style-type: none"> ➤ Physics - Sound ➤ Chemistry – states of matter 	
Year 5			<ul style="list-style-type: none"> ➤ Biology - Living things and their Habitats ➤ Biology - Animal Including Humans (Review Year 4 objectives) 	<ul style="list-style-type: none"> ➤ Physics - Forces - Revisit objectives from magnets Year 3 ➤ Physics - Earth, Sun and Moon 	<ul style="list-style-type: none"> ➤ Chemistry - States of matter with temperature (Revisit Year 4) ➤ Chemistry - Properties and changes of materials 	
Year 6			<ul style="list-style-type: none"> ➤ Chemistry - Properties and changes of materials. ➤ Biology - Animals including humans ➤ Revisit of animals including humans from Y4 	<ul style="list-style-type: none"> ➤ Physics – Electricity ➤ Revisit electricity from Y4 ➤ Biology - Evolution and inheritance 	<ul style="list-style-type: none"> ➤ Physics – Light ➤ Revisit objectives from Light Y3 ➤ Biology - Living things and their habitats. ➤ Revisit living things and their habitat Y5 	