

The Knowledge Curriculum – Global, Inclusive and Challenging!



Science Curriculum Long Term Map 2022- 2023

EYFS Understanding the World	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	All about Me - Body parts - Senses - similarities and differences - Classification	Space - The solar system - Life on other plants - Space travel and careers	Life cycles - Observe changes across time (tadpoles, caterpillars) - Classification and sorting	Superheroes - Science Week - Environment - Observations over time (absorption & evaporation)	Traditional Tales - Properties of materials (3 pigs, Billy goats bridge, Goldilocks etc) - Environment	Travel and transport - Environmental impact - Labeling vehicles -- Considering fuel sources
Year 1 Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Seasonal Change - Observe changes across seasons - Weather and day length	Animals Including Humans - Identify and name animals - Carnivores, herbivores and omnivores	Everyday Materials - Identify everyday materials and simple properties - Group by properties	Plants and Growth - Identify and name plants - Basic structures flowering plants	Seasonal Change revisited - Observe changes across seasons - Weather and day length	Consolidation - Ensuring chn are secure in their learning. - Addressing gaps & misconceptions.
Year 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2

Science	<p>Animals Including Humans</p> <ul style="list-style-type: none"> -Note offspring which grow into adults -Basic needs of animals - Exercise, healthy eating & hygiene 	<p>Uses of Everyday Materials</p> <ul style="list-style-type: none"> - Suitability of materials for particular uses - How shapes of solids can be changed 	<p>Living things and their Habitats</p> <ul style="list-style-type: none"> -Habitat, including micro-habitats -Simple food chains 	<p>Plants</p> <ul style="list-style-type: none"> -How seeds and bulbs grow - Basic conditions for growth 	<p>Scientists and Inventors</p> <ul style="list-style-type: none"> -Key men and women who have changed our lives representing diverse backgrounds 	<p>Science Enquiry /Consolidation</p> <ul style="list-style-type: none"> - Focus on disciplinary knowledge -2 Big Questions -Pupil led investigations - Working Scientifically skills
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Science Curriculum Long Term Map

Year 3 Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p>Animals Including Humans</p> <ul style="list-style-type: none"> -Nutrition - Skeletons and muscles 	<p>Forces and magnets - How things move on different surfaces</p> <ul style="list-style-type: none"> - Magnetic forces - Magnets – poles, attract/repel, magnetic materials 	<p>Light</p> <ul style="list-style-type: none"> - Light to see, darkness is absence of light - Light is reflected - Shadows - Light from Sun can be dangerous 	<p>Rocks</p> <ul style="list-style-type: none"> -Compare and group on appearance and simple physical properties - Fossils - Composition of soil 	<p>Plants</p> <ul style="list-style-type: none"> - Function of parts of a flowering plant - Requirements for growth - Water transportation - Life cycle of plant 	<p>Consolidation</p> <p>Ensuring chn are secure in their learning. Addressing gaps and misconceptions.</p>
Year 4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2

Science	<p>Sound</p> <ul style="list-style-type: none"> -Vibrations -Pitch and volume 	<p>Animals including Humans</p> <ul style="list-style-type: none"> -Digestive system -Teeth -Food chains 	<p>States of Matter</p> <ul style="list-style-type: none"> -Solids, liquids and gases -Change of state - Water cycle 	<p>Electricity</p> <ul style="list-style-type: none"> -Simple series electrical circuits -Conductors and insulators 	<p>Living things and their Habitat</p> <ul style="list-style-type: none"> - Classifying living things -Environment changes 	<p>Consolidation</p> <ul style="list-style-type: none"> -Ensuring chn are secure in their learning. -Addressing gaps & Misconceptions.
Year 5 Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p>Earth and Space</p> <ul style="list-style-type: none"> - Solar system -Movement of Earth and Moon 	<p>Animals including Humans</p> <ul style="list-style-type: none"> - Human life cycle 	<p>Properties and Changing of Materials</p> <ul style="list-style-type: none"> - Properties of materials - Dissolving - Separating mixtures - Reversible and irreversible changes 	<p>Living things and their Habitat</p> <ul style="list-style-type: none"> - Differences in life cycle - Reproduction 	<p>Forces</p> <ul style="list-style-type: none"> - Gravity - Air and water resistance - Friction - Levers, pulleys and gears 	<p>Science Enquiry /Consolidation</p> <ul style="list-style-type: none"> - Focus on disciplinary knowledge - 2 Big Questions - Pupil led investigations - Working Scientifically skills
Year 6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2

Science	<p>Animals Including Humans</p> <ul style="list-style-type: none"> - Human circulatory system - Impact of diet, exercise, drugs and lifestyle - Transportation of nutrients and water 	<p>Electricity</p> <ul style="list-style-type: none"> -Brightness link to cells -Functions of components and variations -Symbols for circuits 	<p>Evolution and inheritance</p> <ul style="list-style-type: none"> -Information from fossils - Adaptation 	<p>Light</p> <ul style="list-style-type: none"> - The way that light travels 	<p>Living things and their Habitats</p> <ul style="list-style-type: none"> - Classification 	<p>Consolidation</p> <p>Ensuring chn are secure in their learning. Addressing gaps and misconceptions.</p>
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	<p>Animals Including Humans</p> <ul style="list-style-type: none"> - Human circulatory system - Impact of diet, exercise, drugs and lifestyle - Transportation of nutrients and water 	<p>Electricity</p> <ul style="list-style-type: none"> -Brightness link to cells -Functions of components and variations -Symbols for circuits 	<p>Evolution and inheritance</p> <ul style="list-style-type: none"> -Information from fossils - Adaptation 	<p>Light</p> <ul style="list-style-type: none"> - The way that light travels 	<p>Living things and their Habitats</p> <ul style="list-style-type: none"> - Classification 	<p>Consolidation</p> <p>Ensuring chn are secure in their learning. Addressing gaps and misconceptions.</p>
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