

The Knowledge Curriculum – Global, Inclusive and Challenging!



Science Curriculum Long Term Map

EYFS	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Understanding the World	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 and evaporation)	Traditional Tales - Properties of materials (3 pigs, Billy goats bridge, Goldilocks etc) - Environment	Travel and transport - Environmental impact - Labelling vehicles - Considering fuel sources
Year 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science	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 of flowering plants	Seasonal Change revisited - Observe changes across seasons Weather and day length	
Year 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Science	Animals Including Humans - Note offspring which grow into adults - Basic needs of animals - Exercise, healthy eating and hygiene	Uses of Everyday Materials - Suitability of materials for particular uses - How shapes of solids can be changed	Living things and their Habitats - Habitat, including micro-habitats - Simple food chains	Plants - How seeds and bulbs grow - Basic conditions for growth	The Environment - Human impact on the Earth - Ways to make a personal difference	Scientists and Inventors - Key men and women who have changed our lives representing diverse backgrounds

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Year 3 Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Animals Including Humans - Nutrition - Skeletons and muscles	Forces and magnets - How things move on different surfaces - Magnetic forces - Magnets – poles, attract/repel, magnetic materials	Light - Light to see, darkness is absence of light - Light is reflected - Shadows - Light from Sun can be dangerous	Rocks - Compare and group on appearance and simple physical properties - Fossils - Composition of soil	Consolidation Ensuring chn are secure in their learning. Addressing gaps and misconceptions.	Plants - Function of parts of a flowering plant - Requirements for growth - Water transportation - Life cycle of plants
Year 4 Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Sound - Vibrations - Pitch and volume	Animals including Humans - Digestive system - Teeth - Food chains	States of Matter - Solids, liquids and gases - Change of state - Water cycle	Consolidation Ensuring chn are secure in their learning. Addressing gaps and misconceptions.	Electricity - Simple series electrical circuits - Conductors and insulators	Living things and their Habitat - Classifying living things Environment changes
Year 5 Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Earth and Space - Solar system - Movement of Earth and Moon	Consolidation Ensuring chn are secure in their learning. Addressing gaps and misconceptions.	Animals including Humans - Human life cycle	Properties and Changing of Materials - Properties of materials - Dissolving - Separating mixtures - Reversible and irreversible changes	Living things and their Habitat - Differences in life cycle - Reproduction	Forces - Gravity - Air and water resistance - Friction - Levers, pulleys and gears

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Year 6 Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Animals Including Humans <ul style="list-style-type: none"> - Human circulatory system - Impact of diet, exercise, drugs and lifestyle - Transportation of nutrients and water 	Electricity <ul style="list-style-type: none"> - Brightness link to cells - Functions of components and variations - Symbols for circuits 	Evolution and inheritance <ul style="list-style-type: none"> - Information from fossils - Adaptation 	Light <ul style="list-style-type: none"> - The way that light travels 	Living things and their Habitats <ul style="list-style-type: none"> - Classification 	Consolidation <p>Ensuring chn are secure in their learning. Addressing gaps and misconceptions.</p>