

Science Curriculum Whole School

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Animals Including Humans						
Plants						
Living Things and Their						
Evolution and Inheritance						
Seasonal Changes						
Forces						
Light						
Sound						
Earth and Space						
Electricity						
Materials						

Early Years

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer	Summer 2
				1	



(leaves, conkers, pine cones etc.)

Year 1 2023 -2024 - to repeat as 2024-2025 as it's a single year group

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Everyday Materials	Animals inc. Humans. The	Animals inc. Humans	Seasonal Changes	Plants- Focus on plants	Animals inc. Humans
Describing, comparing and contrasting materials.	Human body changes.	5 animal groups, herbivores, carnivores, herbivores and	Name four seasons and clothing and weather for	within the local garden such as rose, daffodils,	Land and sea animals Identify land and sea
	Parts of the body (basic	their structures/features.	each season and why. Hat,	honeysuckle. Roses in the	animals and their homes
Wood, glass, stone, twigs,	parts such as head, foot,		jumper, shorts, tshirt,	main school garden.	Sea animals such as whale,
straw etc	ankle, etc.)	Identify common animals	scarf, gloves, sun glasses		dolphin, fish, jelly fish,
		linked to the topic. Such as	etc.	Basic structure of a plant	crab, star fish.
Naming materials	Focus on the five senses-	farm animals, pets		and tree. Look at stem, root	
Identification of materials	Taste experiment	(dogs,cat) and other	Observe changes across the	and flower petals. Not	Group and sort the type of
Sorting materials		animals such as lion, zebras,	four seasons and how day	functions of the plant at	animals such as amphibians
Materials for a purpose	How they have changed	fish, birds (duck, hen)	length varies.	this stage.	etc
Everyday materials	since being a baby over	frogs, cow, pig, etc			
opaque and transparent	time.		Sort items to match the	sycamore	
waterproof		Look at what terms	weather and season.	conker tree	
	What can they do now that	carnivore etc and what they		ash	
	they couldn't do as a baby	are for example, carnivore			



	has sharp teeth as they eat meat	Focus on large tree at back of school. How does it change as spring develops?	
		Observe changes in locality as seasons change such as spring flowers.	
		Begin to identify some plants in preparation for summer 1	

<u>Year 2 2023 -2024 - to repeat 2024-2025 as it's a single year group</u>

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animals inc. Humans	Materials Suitability	Materials 2 Suitability	Plants: Recapped local	Living things and their	Living things and their
			plants, growing cress, seeds	habitats 1	habitats 2
Recapped on five animals	Grouping and classifying and	Investigation of different	and beans. Baby plant inside		
groups	naming properties	types of materials such as	seed(how plants grow and	Focus on the local area of	Habitats and more complex
		glass, stone and brick, wood	what they need to grow and	school.	food chains of sea
Animals and their offspring	Materials: glass, wood,	paper and cardboard,	stay healthy)	Animals include fox,	creatures- sea plants and
Beaver, frog, snake,	metal (different types)	metals. plastic		badger, owl, deer, frogs	plankton
dragonfly,	brick, stone, plastic and			and pond fish.	
	cardboard.	Focus on properties,			Shark
What living things need to		differences and suitability		Explore the local habitat	octopus
stay alive		of materials.		and it supports life.	stingray
	Change of shape of				squid
Growth humans baby to	properties for example			Basic food chains and the	
adult building on what	twisting and bending			interconnection between, ,	Naming the sources of food
changes children noticed in	Stretchy materials			look back to plants and as	for the food chain above
themselves in Year 1 topic.	Suitable and unsuitable			the start of all food chains.	
	Purpose of materials for				
Life cycles of a butterfly	example why is a chair not			Food chain of the listed	
(basic)	made of cotton wool?			animals.	
Recap: carnivore herbivore	Waterproof experiment,			Micro habits: focus on	
etc	building on knowledge from			woodlouse.	
	year 1, however deeper			woodiduse.	



knowledge looking at how materials change.		

Years 3 & 4 2023-2024 (Cycle B Rolling Programme)

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Light Reflection of light Eye protection from light (sun safety) How the eye works (small parts retina, lens, iris, optic nerve and pupil) Label eye. Only Iris changes. Shadows made from opaque object Transparent Opaque Translucent	States of Matter - Solids, Liquids and Gases (split unit) Identify solids, liquids and gases and what the particles look like in each. Freezing and boiling points How heat changes state How water changes state Evaporation and condensation- linked to water cycle	States of Matter - The Water Cycle How the cycle works Role of condensation and evaporation in the cycle Temperature and the water cycle	Electricity Mains and battery operated every item such as fridge tv, remote control, phone. Which generates heat, movement and sounds from the objects. Basic electrical circuits, cell holders, wite, battery and bulb to light Know eclectic goes around in same direction and their is no break in the circuit Add switches to the circuits. Conductors and insulators	Living Things and their Habitats inc. classification Grouping living things-basic classification keys local areas animals to classify: horse, cow, sheep, alpacas Environmental changes impact on living thingS Study of local river Worth and pollution on local wildlife. Local environmental changes to wildlife ea litter	Animals inc. Humans - The Digestive System & Teeth Basic function of the digestive system Label parts such as stomach, food pipe Identify different types of teeth and purpose/function: Canine Molar Premolar Locate gums, tongue

Years 3 & 4 2024-2025 (Cycle C Rolling Programme)

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Animals Inc. Humans	Forces and Magnets	Rocks	Sound	Plants	Living Things and Their
les suins les slate.	11		Nagarita and contain accord	Franking of near of a plant	Habitats - look at a variety of habitats in different
keeping healthy	How thing move on surfaces		Describe and explain sound	Functions of part of a plant	
food groups	magnetic forces	compare and group	sources	root, stem, trunk, leaves	localities
diet	attract and repel		How sound travels	and flowers.	
exercise	magnetic materials		Ways to change pitch		



portion size	compare and group magnetic	name types of rock-	Investigate things that	What plants needs to grow
cant make own food get it	materials	metamorphic igneous	absorb sound	
from what eat.	two poles	sedimentary	Use of tuning forks	Photosynthesis
Skelton names		Fossils formation within	Volume of sounds, feinter	
muscles: arm, leg, bicep,		rocks	sounds	How water is transported in
hamstring, tricep.		Soil made from rocks and	Distance from a sound	plants
		organic matter	source	
				Pollination, seed dispersal
				and life cycle of a plant

Years 5 & 6 2023 -2024 (Cycle A Rolling Programme)

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Light and Shadows How light travels (building on Year 3.4) Objects reflect light Light sources How shadows change over the course of the day Structure of the eye in detail How we see colour	Living Things and Their Habitats How plants reproduce life cycle insects- metamorphosis similarities differences if life cycle -Duck and Frog (built on local area animals)	Forces Friction Earth and force of gravity air resistance water resistance Levers, gears and pulleys	Earth and Space Movement of earth movement of moon relative to earth spherical bodies rotation- day and night	Electricity Brightness or volume associated with voltage Voltage of cells in a circuit High voltage battery, not overloading a circuit adding dimmer switches. Used symbols when representing a circuit in a diagram	Animals inc. Humans stages of human development babies grow and develop(graphs and tables) puberty Gestation of different animals Lifespan of mammals Physical change changes as humans develop
					to old age.

Years 5 & 6 2024 -2025 (Cycle B Rolling Programme)

Autumn 1 Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
-------------------	----------	----------	----------	----------

Formatted Table



Properties and Changes of	Properties and Changes of	Living Things and Their	Evolution and Inheritance	Animals including humans
Materials	Materials	Habitats		
group every day materials	Reversible and irreversible		changed over time of living things	Heart, blood vessels,
(wood, metals, plastic,	changes	Classification of living	fossils provide information about living things	exercise, diet, circulatory
rubber, glass) in relation to	Dissolving liquids to form a	things into broad groups	Living things produce offspring similar not identical to	system
hardness	solution	linked to observably	parents	
Solubility	recurring a substance	characteristics	Animals adaptations to environments- Moths and	Water and nutrient
transparency	Liquids solids and gases to		butterflies	transportation in human
conductivity	decide mixture separation	Reasons given for	Charles Darwin	body
response to magnets	Filtering, sieving and	classification	Biomes	
Use of everyday materials	evaporation		DNA	
comparative and fair		birds, fish, reptiles		
testing of materials				