

Science Overview Year B 2022-23

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year Group	This is me!	Our Wonderful	A Step back in	Once upon a	Explorers	Explorers
		World.	time.	time.		
		DT / Enterprise			Science Week	Careers Week
		Week				
Year 1 Seasonal changes	Seasonal changes/Our changing world: plants Animals, including humans		Seasonal changes/Our changing world: plants Everyday materials		Seasonal changes/Our changing world: plants Plants	
(to be taught across the year) Children will observe changes across the 4 seasons, as well as describing the associated weather for each season and how day length varies. Our changing world: plants (to be taught across the year) Children will look at how trees, leaves and plants change throughout the year, in addition to discovering which flowers we can find in different seasons.	The children will study and name different animals, learn about which group the animal belongs to and discover what they need to survive. This will include looking at the different animal groups including fish, amphibians, reptiles, birds and mammals. Also, children will learn the difference between carnivores, herbivores and omnivores. The children will learn about their bodies and the five senses.		The children will identify, name, compare and group together different everyday materials using their simple properties, in addition to distinguishing between an object and the material from which it is made.		The children will identify and name a variety of common wild and garden plants, as well as describing the basic structure of flowering plants including trees.	
Year 2	Animals including	Living things and	Uses of everyday materials		Plants	
	Humans Children will learn how animals, including humans, have offspring which grow into adults. They will describe the basic needs of animals, including humans, to survive and study the importance for humans to exercise, eat the right amounts of different types of food and be hygienic.	their habitats Children will compare the differences between things that are living, dead and things that have never been alive. They will look at how different habitats are suitable for kinds of animals and plants. Children will also identify and name a variety of plants and animals in their habitats, including microhabitats and they will explore food chains.	Children will identify and compare the suitability of a variety of everyday materials for particular uses. They will also discover how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.		(short recap on animals including humans) Children will observe and describe how seeds and bulbs grow into mature plants. Additionally, they will find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	
Year 3/4	Living things and their habitats	Animals, including humans	States of Matter	Sound	Conclude any Science 4 and teach	

(Vaan 4 a	Children will recognise	Children will describe the	Children will compare	Children will identify have	Children will identify common appliances that are a
(Year 4 curriculum	Children will recognise that living things can be	Children will describe the simple functions of the	Children will compare and group materials	Children will identify how sounds are made,	Children will identify common appliances that run on electricity and construct a simple series electrical
on 2 year rolling	grouped in a variety of	basic parts of the	together, according to	associating some of them	circuit, identifying and naming its basic parts,
cycle)	ways. They will also	digestive system in	whether they are solids,	with something vibrating	including cells, wires, bulbs, switches and buzzers.
	explore and use	humans. They will also	liquids or gases. They will	and recognise that	Children will also identify whether or not a lamp will
	classification keys to help	identify the different	observe that some	vibrations from sounds	light in a simple series circuit, based on whether or
	group, identify and name	types of teeth in humans	materials change state	travel through a medium	not the lamp is part of a complete loop with a battery.
	a variety of living things	and their simple	when they are heated or	to the ear. They will also	They will recognise that a switch opens and closes a
	in their local and wider	functions. Additionally,	cooled, and measure or	find patterns between	circuit and associate this with whether or not a lamp
	environment.	they will construct and	research the	the pitch of a sound and	lights in a simple series circuit as well as recognising
	Additionally, children will	interpret a variety of	temperature at which	features of the object	some common conductors and insulators, and
	recognise that	food chains, identifying	this happens in degrees	that produced it as well	associate metals with being good conductors.
	environments can change	producers, predators and	Celsius (°C). Additionally,	as finding patterns	0000000
	and that this can	prey.	they will identify the part	between the volume of a	
	sometimes pose dangers	ļ , ,	played by evaporation	sound and the strength	
	to living things.		and condensation in the	of the vibrations that	
			water cycle and associate	produced it. Additionally,	
			the rate of evaporation	children will recognise	
			with temperature.	that sounds get fainter as	
			·	the distance from the	
				sound source increases.	
Year 5/6	Electricity	Light	Living things and	Animals including	Conclude any Science units from Terms 1 to
(Year 6 curriculum	Children will associate	Children will recognise	their habitats	humans	4 and teach Evolution and inheritance
on 2 year rolling	the brightness of a lamp	that light appears to	Children will describe	Children will identify and	Children will recognise that living things have
-	or the volume of a buzzer	travel in straight lines.	how living things are	name the main parts of	changed over time and that fossils provide
cycle)	with the number and	They will also use the	classified into broad	the human circulatory	information about living things that inhabited the
	voltage of cells used in	idea that light travels in	groups according to	system, and describe the	Earth millions of years ago. They will also recognise
	the circuit. They will also	straight lines to explain	common observable	functions of the heart.	that living things produce offspring of the same kind,
	compare and give	that objects are seen	characteristics and based	blood vessels and blood.	but normally offspring vary and are not identical to
	reasons for variations in	because they give out or	on similarities and	They will also recognise	their parents. Additionally, they will identify how
	how components	reflect light into the eye,	differences, including	the impact of diet,	animals and plants are adapted to suit their
	function, including the	as well as explaining that	micro-organisms, plants	exercise, drugs and	environment in different ways and that adaptation
	brightness of bulbs, the	we see things because	and animals. They will	lifestyle on the way their	may lead to evolution.
	loudness of buzzers and	light travels from light	also give reasons for	bodies function.	,
	the on/off position of	sources to our eyes or	classifying plants and	Additionally, they will	
	switches. Additionally,	from light sources to	animals based on specific	describe the ways in	
	they will use recognised	objects and then to our	characteristics.	which nutrients and	
	symbols when	eyes. Additionally, they		water are transported	
	representing a simple	will use the idea that		within animals, including	
	circuit in a diagram.	light travels in straight		humans.	
		lines to explain why			
		shadows have the same			
		shape as the objects that			
		cast them.			