

## Whiteshill Primary School

# Science Enquiry Questions – 2 Year Rolling Programme

Elm C	lass				
	Term	Question	NC Unit	NC Outcomes	Equipment & resources
Year	Autumn	Why is a	Everyday	Distinguish between an object and the material from which it is made.	Range of everyday objects in a
А	1	rock a	Materials	Identify and name a variety of everyday materials, including wood, plastic,	variety of materials, including
		rock?		glass, metal, water and rock.	rocks.
				Describe the simple physical properties of a variety of everyday materials.	
				Compare and group together a variety of everyday materials on the basis of their simple physical properties.	Magnifying glasses.
				Asking simple questions and recognising that they can be answered in	Water trays for simple floating /
				different way.	absorption tests.
				Observing closely, using simple equipment.	
				Perform simple tests.	
				Identify and classify.	
	Autumn	How does	Animals	Describe the importance for humans of hygiene (e-bug and first aid)	Concept cartoon?
	2	my body	including		
		heal?	humans	Asking simple questions and recognising that they can be answered in	
				different way	
	Spring 1	Can you	Plants	Find out and describe how plants need water, light and a suitable	Plants of the same variety, size
		grow a		temperature to grow and stay healthy.	etc
		plant		Asking simple questions and recognising that they can be answered in	Ipads for photos
		anywhere?		different way.	Observation/recording table to
				Observing closely, using simple equipment.	complete.
				Perform simple tests.	Rulers (ensure they know how to
				Use their observations and ideas to suggest answers to questions.	use for measuring!)
		-		Gather and record data to help in answering questions.	
	Spring 2	Can we	Uses of	Find out how the shapes of solid objects made from some materials can	Modelling clay, balloons,
		shape	Everyday	be changed by squashing, bending, twisting and stretching.	sponges, balls etc solid objects
		glass?	Materials	Asking simple questions and recognising that they can be answered in	that can be squashed etc
				different way.	
				Observing closely, using simple equipment.	Measuring equipment including
				Perform simple tests.	scales and rulers

				Use their observations and ideas to suggest answers to questions.	Ipads for photos Drawing pencils/paper
	Summer 1	Why don't bridges fall down?	Uses of Everyday Materials	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Asking simple questions and recognising that they can be answered in different way. Perform simple tests. Identify and classify. Use their observations and ideas to suggest answers to questions.	A range of everyday materials, showing what they are used for e.g. a drinks glass compared to a paper cup, a packing box compared to a cereal box etc pictures of houses made from different materials, bridges etc.
	Summer 2	How do we recycle?	Materials, living things and their habitats	Gather and record data to help in answering questions. Follow up to materials work – link to local community Look at waste, recycling and reusing and the suitability of materials for different jobs – sustainable materials? Asking simple questions and recognising that they can be answered in different way.	
Year B	Autumn 1	Why is a rock not alive?	Living things and their habitats Animals including humans	<ul> <li>Explore and compare the differences between things that are living, dead and things that have never been alive.</li> <li>Notice that animals, including humans, have offspring which grown into adults.</li> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</li> <li>Asking simple questions and recognising that they can be answered in different way.</li> <li>Identify and classify.</li> </ul>	
	Autumn 2	Are all animals the same?	Animals including humans	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets). Asking simple questions and recognising that they can be answered in different way. Identify and classify.	

Spring 1	Amla	Living	how animals obtain their food from plants and other animals, using the	
	predator?	things and	I dea of a simple food chain, and identify and name different sources of	
		their	1000.	
		habitats	Asking simple questions and recognising that they can be answered in	
			different way	
Spring 2	What	Animals	Describe the importance for humans of exercise and eating the right	Stop watches to record times for
	makes a	including	amounts of different types of food.	exercise and/or heart rate.
	healthy	humans	Asking simple questions and recognising that they can be answered in	
	me?		different way	
Summer	Could a	Living	Identify that most living things live in habitats to which they are suited and	Bug hotels or materials to make?
1	polar bear	things and	describe how different habitats provide for the basic needs of different	Magnifying glasses, ipads for
	live in	their	kinds of animals and plants and how they depend on each other.	photos.
	Whiteshill?	habitats	Identify and name a variety of plants and animals in their habitats,	Pictures of ant farms etc
			including micro habitats.	
			Asking simple questions and recognising that they can be answered in	
			different way.	
			Identify and classify.	

#### Cross-curricular Links

Year A	Autumn, Spring	Gardening	Plants	Identify and name a variety of common wild and garden plants, including deciduous and
and B	and Summer	Sessions		evergreen trees. Identify and describe the basic structure of a variety of common
				flowering plants, including trees.
				Observe changes across the four seasons.
				Observe and describe weather associated with the seasons and how day length varies.
				Observe and describe how seeds and bulbs grow into mature plants.
				Asking simple questions and recognising that they can be answered in different way.
				Observing closely, using simple equipment.

Maple	Maple Class							
	Term	Question	Unit	NC Outcomes	Equipment / Resources			
Year	Term Autumn 1	Question Can rocks change?	Unit Rocks	NC OutcomesCompare and group together different kinds of rocks on the basis of their appearance and simple physical properties.Describe in simple terms how fossils are formed when things that have lived are trapped within rock.Recognise that soils are made from rocks and organic matter.Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.Describe in simple terms how fossils are formed when things that have lived are trapped within rock.Recognise that soils are made from rocks and organic matter.Describe in simple terms how fossils are formed when things that have lived are trapped within rock.Recognise that soils are made from rocks and organic matter.Ask relevant questions and using different types of scientific enquiries to answer them.Set up simple practical enquiries, comparative and fair tests.Make systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.Record findings using simple scientific language, drawings, 	Equipment / Resources Rock samples Soil samples Fossil samples Magnifying glasses Water trays to test permeability Sieves for investigating soil samples Ipads for photos Scales, measuring equipment Pencils for drawing observations			
				questions or to support their findings.				

Autur	nn Is the sun	Electricity	Identify common appliances that run on electricity.	Enough working bulbs, switches, wires,
2	plugged		Construct a simple electrical circuit, identifying and	batteries, buzzers and motors for at least
	in?		naming the basic parts including cells, wires, bulbs,	one between two.
			switches and buzzers.	Photos of or examples of electrical
			Identify whether or not a lamp will light in a simple series	appliances, including those for
			circuit, based on whether or not the lamp is part of a	entertainment, communication, cooking,
			complete loop with a battery.	safety (e.g. traffic lights) etc
			Ask relevant questions and using different types of	
			scientific enquiries to answer them.	Display pictures showing correct symbols for
			Set up simple practical enquiries, comparative and fair	each component of a circuit.
			tests.	Rulers and sharp pencils for scientific
			Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.	drawings of circuits.
			Report on findings from enquiries, including oral and	
			written explanations, displays or presentations of results	
			and conclusions.	
			Use results to draw simple conclusions, make predictions	
			for new values, suggest improvements and raise further	
			questions.	
			Identify differences, similarities or changes related to	
			simple scientific ideas and processes.	
			Use straightforward scientific evidence to answer	
			questions or to support their findings.	
Sprin	g 1 Can plants	Plants	Investigate the way in which water is transported within	White carnations, food dye.
	grow in the		plants.	Ipads for photos, drawing equipment,
	desert?		Ask relevant questions and using different types of	measuring equipment, beakers.
			scientific enquiries to answer them.	
			Record findings using simple scientific language, drawings,	
			labelled diagrams, keys, bar charts, and tables.	
			Report on findings from enquiries, including oral and	
			written explanations, displays or presentations of results	
			and conclusions.	
			Use straightforward scientific evidence to answer	
			questions or to support their findings.	

Spring 2	Can I ride	Forces and	Compare how things move on different surfaces.	Ramps,
	my bike in	Magnets	Ask relevant questions and using different types of	Carpeted ramp / surface
	the sand?		scientific enquiries to answer them.	Wooden surface
			Set up simple practical enquiries, comparative and fair	Metallic surface
			tests.	Glass surface
			Make systematic and careful observations and, where	Plastic surface
			appropriate, taking accurate measurements using	Small balls, toy cars, marbles etc
			standard units, using a range of equipment, including	Stop watches and rulers
			thermometers and data loggers.	
			Gather, record, classify and present data in a variety of	
			ways to help in answering questions.	
			Record findings using simple scientific language, drawings,	
			labelled diagrams, keys, bar charts, and tables.	
			Use results to draw simple conclusions, make predictions	
			for new values, suggest improvements and raise further	
			questions.	
			Identify differences, similarities or changes related to	
			simple scientific ideas and processes.	
			Use straightforward scientific evidence to answer	
			questions or to support their findings.	
Summer	Where	Animals	Describe the simple functions of the basic parts of the	Skeleton
1	does my	including	digestive system in humans.	Skull of human / sheep to compare
	food go?	humans	Identify the different types of teeth in humans and their	Teeth (as above)
			simple functions.	Pictures of the above from different types of
			Ask relevant questions and using different types of	animals to compare jaws, teeth etc
			scientific enquiries to answer them.	
			Use straightforward scientific evidence to answer	
		-	questions or to support their findings.	
Summer	How do	Light	Notice that light is reflected from surfaces.	Torches (with batteries)
2	cats eyes		Ask relevant questions and using different types of	Mirrors
	keep me		scientific enquiries to answer them.	Tin foil and other surfaces eg wooden door,
	safe?		Set up simple practical enquiries, comparative and fair	painted wall etc
			tests.	Measuring equipment
			Make systematic and careful observations and, where	Pictures of actual cats' eyes & those on
			appropriate, taking accurate measurements using	roads!

Year BAutumn 2Can I make ice many disappear?States of matterStates of matterStates of matterMermometers, and data loggers. Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. Use straightforward scientific evidence to answer questions or to support their findings.For the support their scientific evidence to answer questions or to support their findings.Year BAutumn pigs fiy?Living things and their habitatsRecognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Ask relevant questions and using different types of scientific enquiries to answer them. Report on findings from enquiries, including groat and written explanations, displays or presentations of results and conclusions. Use straightforward scientific evidence to answer questions or to support their findings.Thermometers, BeakersAutumn 2Can I make (isappear?States of matterIdentify and compare the suitability of a variety of werdy an materials, including wood, metal, jabits, glass they are solids, liquids or gases. Observe that some materials together, according to whether they are solids, liquids or gases. Observe that some materials together, according to whether they are solids, liquids or gases. Soons A krelevant questions and using different types of spoons A krelevant questions and using different types of spoons A krelevant questions and using different types of spoonsThermometers, Beakers gases spoons of thermal pools, candles heating a spoons of thermal pools, candles heating a<	r			1		
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disappear? disapp		2	ice	matter	everyday materials, including wood, metal, plastic, glass,	Beakers
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					thermometers and data loggers.	

				Gather, record, classify and present data in a variety of	
				ways to help in answering questions.	
				Record findings using simple scientific language, drawings,	
				labelled diagrams, keys, bar charts, and tables.	
				Report on findings from enquiries, including oral and	
				written explanations, displays or presentations of results	
				and conclusions.	
				Use results to draw simple conclusions, make predictions	
				for new values, suggest improvements and raise further	
				questions.	
				Identify differences, similarities or changes related to	
				simple scientific ideas and processes.	
				Use straightforward scientific evidence to answer	
				questions or to support their findings.	
9	Spring 1	Why do we	Plants	Explore the part that flowers play in the life cycle of	
		need bees?		flowering plants, including pollination, seed formation and	
				seed dispersal.	
				Ask relevant questions and using different types of	
				scientific enquiries to answer them.	
				Record findings using simple scientific language, drawings,	
				labelled diagrams, keys, bar charts, and tables.	
				Report on findings from enquiries, including oral and	
				written explanations, displays or presentations of results	
				and conclusions.	
				Use straightforward scientific evidence to answer	
				questions or to support their findings.	
5	Spring 2	Does	Forces and	Notice that some forces need contact between two	Magnets
		everything	Magnets	objects, but magnetic forces can act at a distance.	Metallic objects, as well as non-magnetic
		I touch		Observe how magnets attract or repel each other and	objects to test
		really		attract some materials and not others.	Rulers to measure distance between
		move?		Compare and group together a variety of everyday	magnets
				materials on the basis of whether they are attracted to a	
				magnet and identify some magnetic materials.	
				Describe magnets as having two poles.	

			Predict whether two magnets will attract or repel each	
			other, depending on which poles are facing.	
			Ask relevant questions and using different types of	
			scientific enquiries to answer them.	
			Set up simple practical enquiries, comparative and fair	
			tests.	
			Make systematic and careful observations and, where	
			appropriate, taking accurate measurements using	
			standard units, using a range of equipment, including	
			thermometers and data loggers.	
			Gather, record, classify and present data in a variety of	
			ways to help in answering questions.	
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			written explanations, displays or presentations of results	
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			for new values, suggest improvements and raise further	
			questions	
			Identify differences, similarities or changes related to	
			simple scientific ideas and processes	
			Use straightforward scientific evidence to answer	
			questions or to support their findings	
Summor	How and	Animals	Construct and interpret a variety of food chains	Skoloton
1	why doos a	including	identifying producers, producers and prov	Skeleton
Ţ	lion chase	humans	Identify that humans and some other animals have	
	it's prov2	Tiumans	skeletons and muscles for support, protection and	
	it's prey:		movement	
			movement.	Madel of human disection system
			disasting system is human	woder of numan digestion system
			digestive system in numans.	
			identify the different types of teeth in humans and their	
			simple functions.	
			Ask relevant questions and using different types of	
			scientific enquiries to answer them.	

			Record findings using simple scientific language, drawings,	
			labelled diagrams, keys, bar charts, and tables.	
			Report on findings from enquiries, including oral and	
			written explanations, displays or presentations of results	
			and conclusions.	
			Use straightforward scientific evidence to answer	
			questions or to support their findings.	
Summe	r So where	States of	Identify the part played by evaporation and condensation	Water beakers
2	did the ice	Matter	in the water cycle and associate the rate of evaporation	Measuring jugs
	really go?		with temperature.	
			Ask relevant questions and using different types of	Equipment to recreate the icebergs melting
			scientific enquiries to answer them.	(ice cubes), evaporation of bodies of water,
			Set up simple practical enquiries, comparative and fair	heat source to represent the sun and
			tests.	condensing (cold surface/mirror).
			Make systematic and careful observations and, where	
			appropriate, taking accurate measurements using	
			standard units, using a range of equipment, including	
			thermometers and data loggers.	
			Gather, record, classify and present data in a variety of	
			ways to help in answering questions.	
			Record findings using simple scientific language, drawings,	
			labelled diagrams, keys, bar charts, and tables.	
			Identify differences, similarities or changes related to	
			simple scientific ideas and processes.	
			Use straightforward scientific evidence to answer	
			questions or to support their findings.	

### Cross-curricular Links

Year A	Autumn,	Gardening	Plants	Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves
and B	Spring and	Sessions		and flowers.
	Summer			
Year A	Year A –	D&T	Animals	Identify that animals, including humans, need the right types and amount of nutrition, and that
	Enquiry 2		including	they cannot make their own food, they get nutrition from what they eat.
			humans	

	Year A – Enquiry 1	D&T	Electricity	Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate metals with being good conductors.
Year B	Year B – Enquiry 1	D&T	Light	Recognise that they need light in order to see things and that dark is the absence of light. Recognise that shadows are formed when the light from a light source is blocked by a solid object. Find patterns in the way that the size of shadows change.
		Music	Sound	Identify how sounds are made, associating some of them with something vibrating. Recognise that vibrations from sounds travel through a medium to the ear. Find patterns between the pitch of a sound and features of the object that produced it. Find patterns between the volume of a sound and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.

				Oak Class	
	Term	Question	Unit	NC Outcomes	Equipment / resources
Year A	Autumn 1	Why don't we fall off the Earth?	Forces	<ul> <li>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.</li> <li>Identify the effects of air resistance and water resistance that act between moving surfaces.</li> <li>Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</li> <li>Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</li> <li>Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> <li>Report and present findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations.</li> <li>Identify scientific evidence that has been used to support or refute ideas or arguments.</li> </ul>	Force meters Stop watches Measuring equipment including beakers, scales and rulers Objects to test air resistance e.g. paper planes, parachutes made from different materials, paper of the same size, materials to make floating vessels.
	Autumn 2	Can I make my heart beat faster?	Animals including humans	Identify and name the main parts of the human circulatory system and describe the functions of the heart, blood vessels and blood. Describe the ways in which nutrients and water are transported within animals including humans. Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate. Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.	Stop watches Electronic pulse readers Model of the human circulatory system. Model of the human heart

			Report and present findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations. Identify scientific evidence that has been used to support or refute ideas or arguments.	
Spring 1	Can I turn my toast back to bread?	Properties and changes of materials	Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda. Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. Report and present findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations.	Sliced bread Toaster Kettle (health and safety) Ice, chocolate, candles, matches, butter, cold surface e.g. mirror for condensing, bicarb of soda Beakers Filter paper sieves
Spring 2	Why do giraffes have long necks?	Evolution and Inheritance	Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents. Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. Report and present findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations. Identify scientific evidence that has been used to support or refute ideas or arguments.	Fossil samples and pictures
Summer	Can we be a	Living things	Recognise that environments can change and that this	
1	plastic free school?	habitats	can sometimes pose dangers to living things.	

				Report and present findings from enquiries, including	
				conclusions, causal relationships and explanations of	
				and a degree of trust in results, in oral and written	
				forms such as displays and other presentations.	
				Identify scientific evidence that has been used to	
				support or refute ideas or arguments.	
				Non-statutory: Pupils should explore examples of	
				human impact (both positive and negative) on	
				environments, for example, the positive effects of	
				nature reserves, ecologically planned parks, or garden	
				ponds and the negative effects of population and	
				development, litter or deforestation	
	Summer	What am I	Animals	Recognise the impact of diet, exercise, drugs and	Model of the human body with internal organs
	2	like on the	including	lifestyle on the way their bodies function.	and systems.
		inside?	humans	Report and present findings from enquiries, including	
				conclusions, causal relationships and explanations of	
				and a degree of trust in results, in oral and written	
				forms such as displays and other presentations.	
				Identify scientific evidence that has been used to	
				support or refute ideas or arguments.	
Year B	Autumn 1	Do all living	Living things	Describe the differences in the life cycles of a	
		things lay	and their	mammal, an amphibian, an insect and a bird.	
		eggs?	habitats	Describe the process of reproduction in some plants	
				and animals.	
				Report and present findings from enquiries, including	
				conclusions, causal relationships and explanations of	
				and a degree of trust in results, in oral and written	
				forms such as displays and other presentations.	
	Autumn 2	Can I get	Properties	Know that some materials will dissolve in liquids to	
		salt out of	and changes	form a solution and describe how to recover a	
		the sea?	of materials	substance from a solution.	
				Use knowledge of solids, liquids and gases to decide	
				how mixtures might be separated, including through	
				filtering, sieving and evaporating.	

			Demonstrate that dissolving, mixing and changes of	
			state are reversible changes.	
			Compare and group together everyday materials on	
			the basis of their properties including their solubility.	
			Plan different types of scientific enquiries to answer	
			questions, including recognising and controlling	
			variables where necessary.	
			Take measurements, using a range of scientific	
			equipment, with increasing accuracy and precision,	
			taking repeat readings when appropriate.	
			Record data and results of increasing complexity using	
			scientific diagrams and labels, classification keys,	
			tables, scatter graphs, bar and line graphs.	
			Report and present findings from enquiries, including	
			conclusions, causal relationships and explanations of	
			and a degree of trust in results, in oral and written	
			forms such as displays and other presentations.	
Spring 1	Can we	Light	Recognise that light appears to travel in straight lines.	
	bend the		Use the idea that light travels in straight lines to	
	sun's rays?		explain that objects are seen because they give out or	
			reflect light into the eye.	
			Explain that we see things because light travels from	
			light sources to our eyes or from light sources to	
			objects and then to our eyes.	
			Recognise that light from the sun can be dangerous	
			and that there are ways to protect their eyes.	
			Use the idea that light travels in straight lines to	
			explain why shadows have the same shape as the	
			objects that cast them.	
			Notice that light is reflected from surfaces.	
			Plan different types of scientific enquiries to answer	
			questions, including recognising and controlling	
			variables where necessary.	

			Take measurements, using a range of scientific	
			equipment, with increasing accuracy and precision,	
			taking repeat readings when appropriate.	
			Record data and results of increasing complexity using	
			scientific diagrams and labels, classification keys,	
			tables, scatter graphs, bar and line graphs.	
Spring 2	Why is it	Earth and	Describe the movement of the Earth and other	Model solar system (rotating)
	night-time	Space	planets, relative to the Sun in the solar system.	
	in Australia		Describe the movement of the moon relative to the	
	and day-		Earth.	
	time here?		Describe the Sun, Earth and Moon as approximately	
			spherical objects.	
			Use the idea of the Earth's rotation to explain day and	
			night and the apparent movement of the sun across	
			the sky.	
			Report and present findings from enquiries, including	
			conclusions, causal relationships and explanations of	
			and a degree of trust in results, in oral and written	
			forms such as displays and other presentations.	
			Identify scientific evidence that has been used to	
			support or refute ideas or arguments.	
Summer	How can we	Forces	Identify the effects of friction that act between	Surfaces of different materials
1	win at		moving surfaces.	Toy cars, marbles etc,
	Kurling?		Plan different types of scientific enquiries to answer	
			questions, including recognising and controlling	
			variables where necessary.	
			Take measurements, using a range of scientific	
			equipment, with increasing accuracy and precision,	
			taking repeat readings when appropriate.	
			Record data and results of increasing complexity using	
			scientific diagrams and labels, classification keys,	
			tables, scatter graphs, bar and line graphs.	
			Report and present findings from enquiries, including	
			conclusions, causal relationships and explanations of	

			and a degree of trust in results, in oral and written forms such as displays and other presentations.	
Summer	What does	Living things	Describe how living things are classified into broad	Food for moulding (health and safety)
2	a Kangaroo	and their	groups according to common observable	Microscope
	have to do	habitats	characteristics and based on similarities and	
	with a		differences, including micro-organisms, plants and	
	common		animals.	
	cold?		Give reasons for classifying plants and animals based	
			on specific characteristics.	
			Report and present findings from enquiries, including	
			conclusions, causal relationships and explanations of	
			and a degree of trust in results, in oral and written	
			forms such as displays and other presentations.	
			Identify scientific evidence that has been used to	
			support or refute ideas or arguments.	

#### Cross-curricular Links

Year A and B	Autumn, Spring and Summer	Gardening Sessions	Plants	Explore the requirements for plants for life and growth (air, light, water, nutrients from the soil and room to grow) and how they vary from plant to plant.
Year A	Year A Enquiry 1	D&T	Properties and changes of materials	Compare and group together everyday materials on the basis of their properties including their hardness, transparency and response to magnets. Give reasons based on evidence from comparative and fair tests, for the particular use of everyday materials, including metals, wood and plastic.
	Year B Enquiry 2	D&T	Electricity	Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. Use recognised symbols when representing a simple circuit in a diagram. Compare and group together everyday material on the basis of their conductivity (electrical and thermal).
		RE	Evolution and Inheritance	Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago

Spring Term Year 5 – Changing Bodies	PSHE	Animals including humans	Describe the changes as humans develop to old age
Year B Enquiry 1	D&T	Forces	To recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect