

Barleyhurst Park Primary School Progression of skills: Science

Plants:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Draw information	* identify and name a	* observe and describe	* identify and describe	* Recognise that living	* Describe the life	* describe how living
from a simple map.	variety of common wild	how seeds and bulbs	the functions of	things can be grouped	process of reproduction	things are classified into
(Reception – Living	and garden plants,	grow into mature plants	different parts of	in a variety of ways. (Y4	in some plants and	broad groups according
things and their	including deciduous and	* find out and describe	flowering plants: roots,	- Living things and their	animals. (Y5 - Living	to common observable
habitats)	evergreen trees	how plants need water,	stem/trunk, leaves and	habitats)	things and their	characteristics and
* Explore the natural	* identify and describe	light and a suitable	flowers	* Explore and use	habitats)	based on similarities
world around them.	the basic structure of a	temperature to grow	* explore the	classification keys to		and differences,
(Reception – Living	variety of common	and stay healthy.	requirements of plants	help group, identify and		including micro-
things and their	flowering plants,	* Identify and name a	for life and growth (air,	name a variety of living		organisms, plants and
habitats)	including trees.	variety of plants and	light, water, nutrients	things in their local and		animals (Y6 – Living
* Describe what they		animals in their	from soil, and room to	wider environment. (Y4		things and their
see, hear and feel		habitats, including	grow) and how they	 Living things and their 		habitats)
whilst outside.		microhabitats. (Y2 -	vary from plant to plant	habitats)		* give reasons for
(Reception – Living		Living things and their	*investigate the way in	* Recognise that		classifying plants and
things and their		habitats)	which water is	environments can		animals based on
habitats)		BEACHCOMBERS Topic	transported within	change and that this		specific characteristics
* Recognise some			plants	can sometimes pose		(Y6 – Living things and
environments that are			* explore the part that	dangers to living things.		their habitats)
different to the one in			flowers play in the life	(Y4 - Living things and		
which they live.			cycle of flowering	their habitats)		
(Reception – Living			plants, including			
things and their			pollination, seed			
habitats)			formation and seed			
* Understand the effect			dispersal.			
of changing seasons on						
the natural world						
around them.						
(Reception – Seasonal						
changes)						



Animals including Humans:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Talk about members of their immediate family and community. * Name and describe people who are familiar to them. * Recognise some environments that are different to the one in which they live	* 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) * identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	* notice that animals, including humans, have offspring which grow into adults * find out about and describe the basic needs of animals, including humans, for survival (water, food and air) * describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	* identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat * identify that humans and some other animals have skeletons and muscles for support, protection and movement.	* describe the simple functions of the basic parts of the digestive system in humans * identify the different types of teeth in humans and their simple functions * construct and interpret a variety of food chains, identifying producers, predators and prey.	* Describe the changes as humans develop to old age. * Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. (Y5 - Living things and their habitats) * Describe the life process of reproduction in some plants and animals. (Y5 - Living things and their habitats)	 identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function describe the ways in which nutrients and water are transported within animals, including humans. Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals. (Y6 - Living things and their habitats) Give reasons for classifying plants and animals based on specific characteristics. (Y6 - Living things and their habitats)



Evolution and Inheritance:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
• Recognise some environments that are different to the one in which they live. (Reception – Living things and their habitats)		* Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. (Y2 - Living things and their habitats) BEACHCOMBERS Topic * Notice that animals, including humans, have offspring which grow into adults. (Y2 - Animals, including humans) WRIGGLE AND CRAWL Topic	* Describe in simple terms how fossils are formed when things that have lived are trapped within rock. (Y3 - Rocks) * Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. (Y3 - Plants)	* Recognise that environments can change and that this can sometimes pose dangers to living things. (Y4 - Living things and their habitats)	* Describe the life process of reproduction in some plants and animals. (Living things and their habitats - Y5)	*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.



Living Things and Their Habitats:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Draw information	* Identify and name a	* explore and compare	* Explore the part that	* recognise that living	* Describe the	* describe how living
from a simple map.	variety of common wild	the differences	flowers play in the life	things can be grouped	differences in the life	things are classified into
* Explore the natural	and garden plants,	between things that are	cycle of flowering	in a variety of ways	cycles of a mammal, an	broad groups according
world around them.	including deciduous and	living, dead, and things	plants, including	* explore and use	amphibian, an insect	to common observable
* Describe what they	evergreen trees. (Y1 -	that have never been	pollination, seed	classification keys to	and a bird	characteristics and
see, hear and feel	Plants)	alive	formation and seed	help group, identify and	* Describe the life	based on similarities
whilst outside.	* Identify and describe	* identify that most	dispersal. (Y3 - Plants)	name a variety of living	process of reproduction	and differences,
* Recognise some	the basic structure of a	living things live in		things in their local and	in some plants and	including micro-
environments that are	variety of common	habitats to which they		wider environment	animals.	organisms, plants and
different to the one in	flowering plants,	are suited and describe		* recognise that		animals
which they live	including trees. (Y1 -	how different habitats		environments can		* give reasons for
	Plants)	provide for the basic		change and that this		classifying plants and
	* Identify and name a	needs of different kinds		can sometimes pose		animals based on
	variety of common	of animals and plants,		dangers to living things.		specific characteristics.
	animals including fish,	and how they depend		* Construct and		* Recognise that living
	amphibians, reptiles,	on each other		interpret a variety of		things produce
	birds and mammals. (Y1	* identify and name a		food chains, identifying		offspring of the same
	- Animals including	variety of plants and		producers, predators		kind, but normally
	humans)	animals in their		and prey. (Y4 - Animals,		offspring vary and are
	* Identify and name a	habitats, including		including humans)		not identical to their
	variety of common	micro-habitats				parents. (Y6 – Evolution
	animals that are	* describe how animals				and inheritance) ID
	carnivores, herbivores	obtain their food from				Торіс
	and omnivores. (Y1 -	plants and other				* Identify how animals
	Animals including	animals, using the idea				and plants are adapted
	humans)	of a simple food chain,				to suit their
	* Describe and compare	and identify and name				environment in
	the structure of a	different sources of				different ways and that
	variety of common	food.				adaptation may lead to
	animals (fish,	* Notice that animals,				evolution. (Y6 –
	amphibians, reptiles,	including humans, have				



bets). (Y1 – into adults. (Y2 - Animals including humans) Wriggle and		Evolution and inheritance) ID Topic

Electricity:



EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* May have some				* identify common		* associate the
understanding that				appliances that run on		brightness of a lamp or
objects need				electricity		the volume of a buzzer
electricity to work.				* construct a simple		with the number and
* May understand that				series electrical circuit,		voltage of cells used in
a switch will turn				identifying and naming		the circuit
something on				its basic parts, including		* compare and give
or off.				cells, wires, bulbs,		reasons for variations in
				switches and buzzers		how components
				* identify whether or		function, including the
				not a lamp will light in a		brightness of bulbs, the
				simple series circuit,		loudness of buzzers and
				based on whether or		the on/off position of
				not the lamp is part of a		switches
				complete loop with a		* use recognised
				battery		symbols when
				* recognise that a		representing a simple
				switch opens and closes		circuit in a diagram.
				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.		



Forces:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Explore the natural		* Find out how the	* compare how things		* explain that	
world around them.		shapes of solid objects	move on different		unsupported objects	
* Describe what they		made from some	surfaces		fall towards the Earth	
see, hear and feel		materials can be	* notice that some		because of the force of	
whilst outside.		changed by squashing,	forces need contact		gravity acting between	
		bending, twisting and	between two objects,		the Earth and the falling	
		stretching. (Y2 - Uses of	but magnetic forces can		object	
		everyday materials)	act at a distance		* identify the effects of	
			* observe how magnets		air resistance, water	
			attract or repel each		resistance and friction,	
			other and attract some		that act between	
			materials and not		moving surfaces	
			others		* recognise that some	
			* compare and group		mechanisms, including	
			together a variety of		levers, pulleys and	
			everyday materials on		gears, allow a smaller	
			the basis of whether		force to have a greater	
			they are attracted to a		effect.	
			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.			



Seasonal Changes:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
EYFS * Explore the natural world around them. * Describe what they see, hear and feel whilst outside. * Understand the effect of changing seasons on the natural world around them.	Year 1 * Observe changes across the four seasons. * Observe and describe weather associated with the seasons and how day length varies.	Year 2	Year 3 * Recognise that light from the sun can be dangerous and that there are ways to protect their eyes. (Y3 - Light)	Year 4	Year 5 * Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky. (Y5 - Earth and space)	Year 6



EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Explore the natural world around them. * Describe what they see, hear and feel whilst outside.	* Observe changes across the four seasons. (Y1 – Seasonal changes) * Observe and describe weather associated with the seasons and how day length varies. (Y1 – Seasonal changes)				* describe the movement of the Earth, and other planets, relative to the Sun in the solar system * describe the movement of the Moon relative to the Earth * describe the Sun, Earth and Moon as approximately spherical bodies * use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	



Light:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Describe what they see, hear and feel whilst outside.	* Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. (Y1 - Animals, including humans) * Describe the simple physical properties of a variety of everyday materials. (Y1 - Materials)		* recognise that they need light in order to see things and that dark is the absence of light * notice that light is reflected from surfaces * recognise that light from the sun can be dangerous and that there are ways to protect their eyes * recognise that shadows are formed when the light from a light source is blocked by an opaque object * find patterns in the way that the size of shadows change.		* Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. (Y5 - Properties and changes of materials)	 * recognise that light appears to travel in straight lines * use the idea that light travels in straight lines to 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 * use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.



Sound:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Explore the natural	* Identify, name, draw			* Identify how sounds		
world around them.	and label the basic			are made, associating		
* Describe what they	parts of the human			some of them with		
see, hear and feel	body and say which			something vibrating.		
whilst outside.	part of the body is			* Recognise that		
	associated with each			vibrations from sounds		
	sense. (Y1 - Animals,			travel through a		
	including humans)			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.		
				BLUE ABYSS Topic		

Materials:



EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Explore the natural world around them. * Describe what they see, hear and feel whilst outside.	 * distinguish between an object and the material from which it is made * identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock * 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 	* identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses * find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	* compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. (Y3 - Rocks) * describe in simple terms how fossils are formed when things that have lived are trapped within rock. (Y3 - Rocks) * compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. (Y3 - Forces and Magnets) PREDATOR Topic	* compare and group materials together, according to whether they are solids, liquids or gases * observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) * identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. * Recognise some common conductors and insulators, and associate metals with being good conductors. (Y4 - Electricity)	 * Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. * Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. * Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. * Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic. * Demonstrate that dissolving, mixing and changes of state are reversible changes. * 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. 	



Rocks:

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
* Explore the natural world around them. (Reception – Living things and their habitats) * Describe what they see, hear and feel whilst outside. (Reception – Living things and their habitats)	 * Distinguish between an object and the material from which it is made. (Y1 - Everyday materials) * Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. (Y1 - Everyday materials) * Describe the simple physical properties of a variety of everyday materials. (Y1 - Everyday materials) * Compare and group together a variety of everyday materials on the basis of their simple physical properties. (Y1 - 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. (Y2 - Uses of everyday materials)	* 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.			• Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. (Y6 - Evolution and inheritance) ID Topic



EYFS	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
* Make comments about what they have	* Asking simple questions and recognising	* Asking relevant questions and using	* Asking relevant questions and using
heard and ask questions to clarify their	that they can be answered in different	different types of scientific enquiries to	different types of scientific enquiries to
understanding.	ways.	answer them.	answer them.
* Manage their own basic hygiene and	* Observing closely, using simple	* Setting up simple practical enquiries,	* Setting up simple practical enquiries,
personal needs, including dressing, going to	equipment.	comparative and fair tests.	comparative and fair tests.
the toilet and understanding the	* Performing simple tests.	* Making systematic and careful	* Making systematic and careful
importance of healthy food choices.	* Identifying and classifying.	observations and, where appropriate,	observations and, where appropriate,
* Explore the natural world around them,	* Using their observations and ideas to	taking accurate measurements using	taking accurate measurements using
making observations and drawing pictures	suggest answers to questions.	standard units, using a range of equipment,	standard units, using a range of equipment,
of animals and plants.	* Gathering and recording data to help in	including thermometers and data loggers.	including thermometers and data loggers.
* Know some similarities and differences	answering questions.	* Gathering, recording, classifying and	* Gathering, recording, classifying and
between the natural world around them		presenting data in a variety of ways to help	presenting data in a variety of ways to help
and contrasting environments, drawing on		in answering questions.	in answering questions.
their experiences and what has been read in		* Recording findings using simple scientific	* Recording findings using simple scientific
class.		language, drawings, labelled diagrams, keys,	language, drawings, labelled diagrams, keys,
* Understand some important processes		bar charts, and tables.	bar charts, and tables.
and changes in the natural world around		* Reporting on findings from enquiries,	* Reporting on findings from enquiries,
them, including the seasons and changing		including oral and written explanations,	including oral and written explanations,
states of matter.		displays or presentations of results and	displays or presentations of results and
		conclusions.	conclusions.
		* Using results to draw simple conclusions,	* Using results to draw simple conclusions,
		make predictions for new values, suggest	make predictions for new values, suggest
		improvements and raise further questions.	improvements and raise further questions.
		* Identifying differences, similarities or	* Identifying differences, similarities or
		changes related to simple scientific ideas	changes related to simple scientific ideas
		and processes.	and processes.
		* Using straightforward scientific evidence	* Using straightforward scientific evidence
		to answer questions or to support their	to answer questions or to support their
		findings.	findings.



Asking Questions and Carrying Out Fair and Comparative Tests (to be covered in every topic):

Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Asking simple question and recognising that they can	Asking relevant questions and using different types of	Planning different types of scientific enquiries to answer
be answered in different ways.	scientific enquiries to answer them.	questions, including recognising and controlling variables
Performing simple tests.	Setting up simple practical enquiries, comparative and fair	where necessary.
	tests.	Using test results to make predictions to set up further
Children can:		comparative and fair tests.
* Explore the world around them, leading them to ask	Children can:	
why some simple scientific questions about how and	* Start to raise their own relevant questions about the	Children can:
why things happen.	world around them in response to a range of scientific	* With growing independence, raise their own relevant
* Begin to recognise ways in which they might answer	experiences.	questions about the world around them in response to a
scientific questions.	* Start to make their own decisions about the most	range of scientific experiences.
* Ask people questions and use simple secondary	appropriate type of scientific enquiry they might use to	* With increasing independence, make their own decisions
sources to find answers.	answer questions.	about the most appropriate type of scientific enquiry they
* Carry out simple practical tests, using simple	* Recognise when a fair test is necessary.	might use to answer questions.
equipment.	* Help decide how to set up a fair test, making decisions	* Explore and talk about their ideas, raising different kinds
* Experience different types of scientific enquiries,	about what observations to make, how long to make them	of scientific questions.
including practical activities.	for and the type of simple equipment that might be used.	* Ask their own questions about scientific phenomena.
* Talk about the aim of scientific tests they are working on.	* Set up and carry out simple comparative and fair tests.	* Select and plan the most appropriate type of scientific enquiry to use to answer scientific questions.
		* Make their own decisions about what observations to
		make, what measurements to use and how long to make
		them for, and whether to repeat them.
		* Plan, set up and carry out comparative and fair tests to
		answer questions, including recognising and controlling
		variables where necessary.
		* Use their test results to identify when further tests and
		observations may be needed.
		* Use test results to make predictions for further tests.



Observing and Measuring Changes (to be covered in every topic):

Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Observing closely, using simple equipment.	Making systematic and careful observations and, where appropriate, taking accurate measurements using standard	Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking
Children can:	units, using a range of equipment, including thermometers	repeat readings when appropriate.
* Observe the natural and humanly constructed world	and data loggers.	
around them.		Children can:
* Observe changes over time.	Children can:	* Choose the most appropriate equipment to make
* Use simple measurements and equipment.	* Make systematic and careful observations.	measurements and explain how to use it accurately.
* Make careful observations, sometimes using equipment	* Observe changes over time.	* Take measurements using a range of scientific equipment
to help them observe more carefully.	* Use a range of equipment, including thermometers and	with increasing accuracy and precision.
	data loggers.	* Make careful and focused observations.
	* Ask their own questions about what they observe.	* Know the importance of taking repeat readings and take
	* Where appropriate, take accurate measurements using	repeat readings where appropriate.
	standard units using a range of equipment.	

Identifying, Classifying, Recording and Presenting Data (to be covered in every topic):

Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Identifying and classifying.	Gathering, recording, classifying and presenting data in a	Recording data and results of increasing complexity using
Gathering and recording data to help in answering	variety of ways to help in answering questions.	scientific diagrams and labels, classification keys, tables,
questions.	Recording findings using simple scientific language,	scatter graphs, bar and line graphs.
	drawings, labelled diagrams, keys, bar charts, and tables.	
Children can:		Children can:
* Use simple features to compare objects, materials and	Children can:	* Independently group, classify and describe living things
living things.	* Talk about criteria for grouping, sorting and classifying.	and materials.
* Decide how to sort and classify objects into simple groups	* Group and classify things.	* Use and develop keys and other information records to
with some help.	* Collect data from their own observations and	identify, classify and describe living things and materials.
* Record and communicate findings in a range of ways with	measurements.	* Decide how to record data from a choice of familiar
support.	* Present data in a variety of ways to help in answering	approaches.
* Sort, group, gather and record data in a variety of ways to	questions.	
help in answering questions such as in simple sorting		



	diagrams, pictograms, tally charts, block diagrams and	* Use, read and spell scientific vocabulary correctly and with	* Record data and results of increasing complexity using
:	simple tables.	confidence, using their growing word reading and	scientific diagrams and labels, classification keys, tables,
		spelling knowledge.	scatter graphs, bar graphs and line graphs.
		* Record findings using scientific language, drawings,	
		labelled diagrams, keys, bar charts	
		and tables.	

Drawing Conclusions, Noticing Patterns and Presenting Findings (to be covered in every topic):

Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Using their observations and ideas to suggest answers to	Using results to draw simple conclusions, make predictions	Reporting and presenting findings from enquiries, including
questions.	for new values, suggest improvements and raise further	conclusions, causal relationships and explanations of and a
	questions.	degree of trust in results, in oral and written forms such as
Children can:	Reporting on findings from enquiries, including oral and	displays and other presentations.
* Notice links between cause and effect with support.	written explanations, displays or presentations of results	
* Begin to notice patterns and relationships with support.	and conclusions.	Children can:
* Begin to draw simple conclusions.		* Notice patterns.
* Identify and discuss differences between their results.	Children can:	* Draw conclusions based in their data and observations.
* Use simple and scientific language.	* Draw simple conclusions from their results.	* Use their scientific knowledge and understanding to
* Read and spell scientific vocabulary at a level consistent	* Make predictions.	explain their findings.
with their increasing word reading and spelling knowledge	* Suggest improvements to investigations.	* Read, spell and pronounce scientific vocabulary correctly.
at key stage 1.	* Raise further questions which could be investigated.	* Identify patterns that might be found in the natural
* Talk about their findings to a variety of audiences in a	* First talk about, and then go on to write about, what they	environment.
variety of ways.	have found out.	* Look for different causal relationships in their data.
	* Report and present their results and conclusions to others	* Discuss the degree of trust they can have in a set of
	in written and oral forms with increasing confidence.	results.
		* Independently report and present their conclusions to
		others in oral and written forms.

Using Scientific Evidence and Secondary Sources of Information (to be covered in every topic):

Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Identifying differences, similarities or changes related		Identifying scientific evidence that has been used to support
	simple scientific ideas and processes.	or refute ideas or arguments.
	Using straightforward scientific evidence to answer	
	questions or to support their findings.	Children can:



	* Use primary and secondary sources evidence to justify
Children can:	ideas.
* Make links between their own science results and other	* Identify evidence that refutes or supports their ideas.
scientific evidence.	* Recognise where secondary sources will be most useful to
* Use straightforward scientific evidence to answer	research ideas and begin to separate opinion from fact.
questions or support their findings.	* Use relevant scientific language and illustrations to
* Identify similarities, differences, patterns and changes	discuss, communicate and justify their scientific ideas.
relating to simple scientific ideas and processes.	* Talk about how scientific ideas have developed over time.
* Recognise when and how secondary sources might help	
them to answer questions that cannot be answered through	
practical investigations.	