



Source: Planbee/Twinkl

	OWLETS (YN/YR)						
	Auti	umn	Spi	Spring		Summer	
Year	MY LITTLE WORLD!	PRINCESSES AND	DINOSAURS	PIRATES	HOLIDAYS NEAR AND	MINI BEASTS AND MINI	
Α		KNIGHTS			FAR	WORLDS	
	Seasonal changes -	Seasonal changes -	Seasonal changes -Winter	Seasonal changes -Winter	Seasonal changes -Spring	Seasonal changes -	
	Summer to Autumn	Autumn to Winter	Herbivores, carnivores,	to Spring	to Summer	Summer	
	About me - what I need to	Hibernating animals	omnivores	Baby animals	Materials for the weather	Mini beasts	
	be healthy	Investigating ice	Our teeth	Floating/sinking	Contrasting climates	Growing plants	
	My senses		Keeping the world clean -	Ocean animals	Lighthouses - circuit		
	My life cycle		recycling				
			Fossils				
			Materials for the weather				
Year	SUPERHEROES!	I LIKE TO PLAY!	THIS IS MY HOME	BABY ANIMALS ON THE	JUNGLE ADVENTURES	LET'S GO SEE	
В				FARM			
	Seasonal changes -	Seasonal changes -	Seasonal changes -Winter	Seasonal changes -Winter	Seasonal changes -Spring	Seasonal changes -	
	Summer to Autumn	Autumn to Winter	Mini beast homes	to Spring	to Summer	Summer	
	Magnets	Play in leaves, puddles, ice	Colour mixing	Farm animals/match	Jungle animals and plants	Explore friction and travel	
	Superhero foods	Materials toys are made		adult/baby	Plant enquiry	down a ramp.	
		from		Life cycles		Wheels and flight	
				Grow grass			

	BARN OWLS (Y1/Y2)					
	Autumn		Spring		Summer	
Year	ALL ABOUT ME	CASTLES	AMAZING ANIMALS	ARCTIC ADVENTURES	SUN SEA AND SAND	THE SECRET WORLD OF
Α						PLANTS
	All about me (Y1/2)	Everyday materials (Y1)	Identifying Animals (Y1)	Arctic Adventures (Y1/2)	Living in habitats (Y2)	The Secret world of
	Animals including Humans	Everyday materials	Animals including Humans	Animals including Humans	Living things and their	Plants (Y2)
	Year 1 - observing closely,	Year 1 - observing closely,	Year 1- asking simple	Everyday materials	<u>habitats</u>	Growing Plants Y2
	using simple equipment	using simple equipment	questions and recognising	Living things and their	using simple equipment	<u>Plants</u>
	- identifying and classifying	- performing simple tests	that they can be answered in	<u>Habitats</u>	- identifying and classifying	questions and recognising
		- identifying and classifying	different ways	Year 1 - asking simple		that they can be answered in
				questions and recognising		different ways

	- using their observations and ideas to suggest answers to questions - gathering and recording data to help in answering questions - identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense Year 2 - notice that animals, including humans, have offspring which grow into adults - describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene Super Scientist L6 – to investigate how germs are transferred by touching things	- using their observations and ideas to suggest answers to questions - 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 Super Scientist L1 – to investigate the effect gravity has on everyday objects.	- observing closely, using simple equipment - identifying and classifying - 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) Year 1 - asking simple questions and recognising that they can be answered in different ways - observing closely, using simple equipment - performing simple tests - identifying and classifying - using their observations and ideas to suggest answers to questions - gathering and recording data to help in answering questions - observe changes across the four seasons - observe and describe weather associated with the seasons and how day length varies Seasonal Changes Y1	that they can be answered in different ways - observing closely, using simple equipment - performing simple tests - identifying and classifying - using their observations and ideas to suggest answers to questions - identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals - describe the simple physical properties of a variety of everyday materials Year 2 - 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 Super Scientist L3 — to investigate the wind	- using their observations and ideas to suggest answers to questions - explore and compare the differences between things that are living, dead, and things that have never been alive - 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 - identify and name a variety of plants and animals in their habitats, including microhabitats - describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food Super Scientist L2 – to investigate what happens when light is passed through an object	- observing closely, using simple equipment - performing simple tests - identifying and classifying - using their observations and ideas to suggest answers to questions - explore and compare the differences between things that are_living, dead, and things that have never been alive - 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 - identify and name a variety of plants and animals in their habitats, including microhabitats - observe and describe how seeds and bulbs grow into mature plants - find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
Year B	SUPERHEROES!	TOYS	HOUSES AND HOMES	GREAT FIRE OF LONDON	OUR AMAZING WORLD	TRAVEL AND TRANSPORT
	My Body (Y1) Animals including Humans Year 1 - asking simple questions and recognising	Toys (Y1) Everyday materials Year 1 - observing closely, using simple equipment - identifying and classifying	Pets and Gardens (Y1) Plants Animals including Humans Year 1 - asking simple questions and recognising	Exploring Everyday Materials (Y2) Everyday materials	Identifying Plants (Y1) Plants Year 1 - asking simple questions and recognising	Growth and Survival (Y2) Animals including Humans Year 2 - asking simple questions and recognising

that they can be answered in	- using their observations and	that they can be answered in	questions and recognising	that they can be answered in	that they can be answered in
different ways	ideas to suggest answers to	different ways	that they can be answered in	different ways	different ways
- observing closely, using	questions	- observing closely, using	different ways	- observing closely, using	- performing simple tests
simple equipment	- distinguish between an	simple equipment	- observing closely, using	simple equipment	 identifying and classifying
- performing simple tests	object and the material from	- identifying and classifying	simple equipment	- identifying and classifying	- using their observations and
- identifying and classifying	which it is made	- using their observations and	- performing simple tests	- using their observations and	ideas to suggest answers to
- using their observations and	- identify and name a variety	ideas to suggest answers to	- identifying and classifying	ideas to suggest answers to	questions
ideas to suggest answers to	of everyday materials,	questions	- using their observations and	questions	- gathering and recording dat
questions	including wood, plastic, glass,	- identify and name a variety	ideas to suggest answers to	- gathering and recording data	to help in answering
- identify, name, draw and	metal, water, and rock	of common wild and garden	questions	to help in answering	questions
label the basic parts of the	- describe the simple physical	plants, including deciduous	- identify and compare the	questions	- notice that animals,
human body and say which	properties of a variety of	and evergreen trees	suitability of a variety of	- identify and name a variety	including humans, have
part of the body is associated	everyday materials	- identify and name a variety	everyday materials, including	of common wild and garden	offspring which grow into
with each sense	- compare and group	of common animals including	wood, metal, plastic, glass,	plants, including deciduous	adults
	together a variety of everyday	fish, amphibians, reptiles,	brick, rock, paper and	and evergreen trees	- find out about and describe
Super Scientist L5 –	materials on the basis of their	birds and mammals	cardboard for particular uses	- identify and describe the	the basic needs of animals,
investigate our sense and	simple physical properties	- identify and name a variety	- find out how the shapes of	basic structure of a variety of	including humans, for surviva
reflexes		of common animals that are	solid objects made from some	common flowering plants,	(water, food and air)
Terrexes	Super Scientist L4 – to	carnivores, herbivores and	materials can be changed by	including trees	- describe the importance for
	investigate whether sound	omnivores	squashing, bending, twisting		humans of exercise, eating
	can pass through an object	- describe and compare the	and stretching		the right amounts of differen
	can pass through an object	structure of a variety of			types of food, and hygiene
		common animals (fish,	Super Scientist L7 – to		
		amphibians, reptiles, birds	investigate electric circuits		
		and mammals, including pets)	to make a light bulb light		
		Seasonal Changes Y1	up		

			SNOWY OWLS (Y3/Y4)					
		Autumn		Spr	Spring		mer	
	Year	FOOD GLORIOUS FOOD	THE ROMANS ARE	THE RAINFOREST	CHOCOLATE – YUM!	SEA AND COAST	OFF ON HOLIBOBS?	
	Α		COMING!					
		Eating and Digestion (Y4)	Electricity and circuits (Y4)	Living in Environments(Y4)	Enquiry x4 (2 for each	Rocks Fossils and Soils (Y3)	States of Matter (Y4)	
		Animals including Humans	<u>Electricity</u>	Living things and their	session) topic link	<u>Rocks</u>	States of Matter	
		- asking relevant questions and	setting up simple practical	Habitats Plants Y3	Working scientifically	Year 3 - setting up simple	asking simple questions and	
		using different types of scientific	enquiries, comparative and fair	- making systematic and careful		practical enquiries,	recognising that they can be	
		enquiries to answer them - setting up simple practical	tests making systematic and careful	observations and, where		comparative and fair tests	answered in different ways	
		enquiries, comparative and fair	observations and, where	appropriate, taking accurate measurements using standard		- making systematic and	observing closely,	
		tests	appropriate, taking accurate	units, using a range of equipment,		careful observations and,	- using simple equipment	
		- recording findings using simple	measurements using standard	including thermometers and data		where appropriate, taking	-performing simple tests	
		scientific language, drawings,	units, using a range of equipment,	loggers		accurate measurements using	identifying and classifying	
		labelled diagrams, keys, bar	including thermometers and data	- gathering, recording, classifying		standard units, using a range		
L		charts, and tables	loggers	and presenting data in a variety of		of equipment, including		

- reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- identifying differences, similarities or changes related to simple scientific ideas and processes
- using straightforward scientific evidence to answer questions or to support their findings

Animals inc. humans

- 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

gathering, recording, classifying and presenting data in a variety of ways to help in answering questions reporting on findings from

enquiries, including oral and written explanations, displays or presentations of results and conclusions using results to draw simple

conclusions, make predictions for new values, suggest improvements and raise further questions

identifying differences, similarities or changes related to simple scientific ideas and processes

Electricity

battery

identify common appliances that run on electricity construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a

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

ways to help in answering questions

- recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- identifying differences, similarities or changes related to simple scientific ideas and processes

Living things and their habitats

- recognise 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
- recognise that environments can change and that this can sometimes pose dangers to living things

thermometers and data loggers

- gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- using straightforward scientific evidence to answer questions or to support their findings

Rocks

- 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

- -using their observations and ideas to suggest answers to questions
- -gathering and recording data to help in answering questions
- -asking relevant questions and using different types of scientific enquiries to answer them
- -setting up simple practical enquiries, comparative and fair tests
- -making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- -recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- -using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions identifying differences, similarities or changes related to simple scientific ideas and processes

States of matter

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

	<u> </u>			<u> </u>	<u> </u>	
						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
Year	GET READY, GET FIT!	LIGHTS, CAMERA,	WALK LIKE AN	YOU'RE MY HERO!	HOW DOES YOUR	MORE INVADERS!
В		ACTION!	EGYPTIAN		GARDEN GROW?	
	Health and Movement Y3)	Light and Shadow (Y3)	Forces and Magnets (Y3)	Changing Sound (Y4)	How Plants Grow (Y3)	What Do Scientists do?
	Animals including Humans	Light	Forces and Magnets	Sound	Desert Life (Y3/4)	(Y3/4)
	- asking relevant questions	asking relevant questions and	asking simple questions and	- asking relevant questions	Plants	Working scientifically
	and using different types of	using different types of	recognising that they can be	and using different types of	- asking relevant questions	- asking relevant questions
	scientific enquiries to answer	scientific enquiries to answer	answered in different ways	scientific enquiries to answer	and using different types of	and using different types of
	them	them	observing closely, using simple	them	scientific enquiries to answer	scientific enquiries to answer
	- gathering, recording,	setting up simple practical	equipment	- setting up simple practical	them	them
	classifying and presenting	enquiries, comparative and	performing simple tests identifying and classifying	enquiries, comparative and	- setting up simple practical	- setting up simple practical
	data in a variety of ways to	fair tests	gathering and recording data to	fair tests	enquiries, comparative and	enquiries, comparative and
	help in answering questions	making systematic and careful	help in answering questions	- making systematic and	fair tests	fair tests
	- recording findings using	observations and, where	asking relevant questions and	careful observations and,	- making systematic and	- making systematic and
	simple scientific language,	appropriate, taking accurate	using different types of scientific	where appropriate, taking	careful observations and,	careful observations and,
	drawings, labelled diagrams,	measurements using standard	enquiries to answer them	accurate measurements using	where appropriate, taking	where appropriate, taking
	keys, bar charts, and tables	units, using a range of	setting up simple practical	standard units, using a range	accurate measurements using	accurate measurements using
	- reporting on findings from	equipment, including	enquiries, comparative and fair tests	of equipment, including	standard units, using a range	standard units, using a range
	enquiries, including oral and	thermometers and data	making systematic and careful	thermometers and data	of equipment, including	of equipment, including
	written explanations, displays	loggers	observations and, where	loggers	thermometers and data	thermometers and data
	or presentations of results	gathering, recording,	appropriate, taking accurate	- gathering, recording,	loggers	loggers
	and conclusions	classifying and presenting	measurements using standard	classifying and presenting	- gathering, recording,	- gathering, recording,
	- identifying differences,	data in a variety of ways to	units, using a range of equipment,	data in a variety of ways to	classifying and presenting	classifying and presenting
	similarities or changes related	help in answering questions	including thermometers and data	help in answering questions	data in a variety of ways to	data in a variety of ways to
	to simple scientific ideas and	recording findings using	loggers reporting on findings from	- recording findings using	help in answering questions	help in answering questions
	processes	simple scientific language,	enquiries, including oral and	simple scientific language,	- recording findings using	- recording findings using
	Animals inc. Humans	drawings, labelled diagrams,	written explanations, displays or	drawings, labelled diagrams,	simple scientific language,	simple scientific language,
	- identify that animals,	keys, bar charts, and tables	presentations of results and	keys, bar charts, and tables	drawings, labelled diagrams,	drawings, labelled diagrams,
	including humans, need the	reporting on findings from	conclusions	- using results to draw simple	keys, bar charts, and tables	keys, bar charts, and tables
	right types and amount of	enquiries, including oral and	using results to draw simple	conclusions, make predictions	- reporting on findings from	- reporting on findings from
	nutrition, and that they	written explanations, displays	conclusions, make predictions for	for new values, suggest	enquiries, including oral and	enquiries, including oral and
	cannot make their own food;	or presentations of results	new values, suggest	improvements and raise	written explanations, displays	written explanations, displays
	they get nutrition from what	and conclusions	improvements and raise further questions	further questions	or presentations of results	or presentations of results
	they eat	using results to draw simple	identifying differences,	- using straightforward	and conclusions	and conclusions
	- identify that humans and	conclusions, make predictions	similarities or changes related to	scientific evidence to answer	- using results to draw simple	- using results to draw simple
	some other animals have	for new values, suggest	simple scientific ideas and	questions or to support their	conclusions, make predictions	conclusions, make predictions
	skeletons and muscles for	improvements and raise	processes	findings	for new values, suggest	for new values, suggest
		further questions		Sound		

	Autumn		Spring		Summer	
Year A	ANCESTRY.COM	DOCTOR DOCTOR!	FORCES OF NATURE	FAR OFF LANDS	CAVERNOUS CANYON!	VICTORIOUS VIKINGS?
	Evolution and Inheritance (Y6) Evolution and Inheritance - recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs - reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations - identifying scientific evidence that has been used to support or refute ideas or arguments 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	Seeing Light (Y6) Light - planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary - reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations Light - 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 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 (Properties and Changes of Materials (Y5) States of Materials (Y5) States of Matter small unit this year only)	Forces in Action (Y5/6) Forces and Magnets - planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary - taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate - recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs - reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations Forces - explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object - identify the effects of air resistance, water resistance and friction, that act between moving surfaces - recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect	Changing Circuits (Y6) Electricity planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations Electricity use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them 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	Life Cycles (Y5) Living things and their habitats - taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate - recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs - reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations - identifying scientific evidence that has been used to support or refute ideas or arguments Animals inc. humans - describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird - describe the life process of reproduction in some plants and animals	Viking Science Y5/6 Enquiry Year 5 - planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary Year 5 - recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs Year 5 - reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations Year 5 - give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic Year 5 - identify the effects of air resistance, water resistance, water resistance and friction, that act between moving surfaces Year 6 - taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate Year 6 - using test results to make predictions to set up

						further comparative and fair
						tests
						Year 6 - identifying scientific
						evidence that has been used
						to support or refute ideas or
						arguments
						Year 6 - describe how living
						things are classified into
						broad groups according to
						common observable
						characteristics and based on
						similarities and differences,
						including micro-organisms,
						plants and animals
						Year 6 - give reasons for
						classifying plants and animals
						based on specific
						characteristics
Yea	r WAR HORSE	FROZEN WORLDS	OUR PLACE IN SPACE -	THIEVES, BEWARE!	GROOVY GREEKS	WHEN STARS ARE
В			EXTREME EARTH			SCATTERED
	Healthy Bodies (Y5/6) –	Classifying Organisms	Earth and Space (Y5)	Properties and Changes	Great British Scientists	Changes and
	(food, nutrients, heart,	(Y6)	Earth and Space	of Materials	(Y5/6)	Reproduction (Y5)
	muscles, movement)	Living things and their	- recording data and results of	(Y5) States of Matter	Working scientifically	Living things and their
	·	-	increasing complexity using		working scientifically	
	Animals including	<u>habitats</u> (frozen)	scientific diagrams and labels,	planning different types of		habitats repeat
	<u>Humans</u>	- planning different types of	classification keys, tables,	scientific enquiries to answer		Y5 - planning different types of
	- planning different types of	scientific enquiries to answer questions, including recognising	scatter graphs, bar and line	questions, including recognising and controlling		scientific enquiries to answer questions, including recognising
	scientific enquiries to answer	and controlling variables where	graphs	variables where necessary		and controlling variables where
	questions, including	necessary	E and S	reporting and presenting		necessary
	recognising and controlling	- recording data and results of	- describe the movement of	findings from enquiries,		- taking measurements, using a
	variables where necessary	increasing complexity using	the Earth, and other planets,	including conclusions, causal		range of scientific equipment,
	- taking measurements, using	scientific diagrams and labels,	relative to the Sun in the solar	relationships and explanations		with increasing accuracy and
	a range of scientific	classification keys, tables, scatter	system	of and degree of trust in		precision, taking repeat readings
	equipment, with increasing	graphs, bar and line graphs - reporting and presenting	- describe the movement of	results, in oral and written		when appropriate - recording data and results of
	accuracy and precision, taking	findings from enquiries, including	the Moon relative to the Earth	forms such as displays and		increasing complexity using
	repeat readings when	conclusions, causal relationships	- describe the Sun, Earth and	other presentations		scientific diagrams and labels,
	appropriate	and explanations of and degree of	Moon as approximately	Properties and changes in		classification keys, tables, scatter
	- recording data and results of	trust in results, in oral and written	spherical bodies	materials.		graphs, bar and line graphs
	increasing complexity using	forms such as displays and other	- use the idea of the Earth's	compare and group together		- using test results to make
	scientific diagrams and labels,	presentations	rotation to explain day and	everyday materials on the		predictions to set up further
	classification keys, tables,	Living things and their habitats describe how living things are	night and the apparent	basis of their properties,		comparative and fair tests - reporting and presenting
	scatter graphs, bar and line	classified into broad groups	movement of the sun across	including their hardness,		findings from enquiries, including
	graphs	according to common observable	the sky	solubility, transparency,		conclusions, causal relationships
	- reporting and presenting	characteristics and based on		conductivity (electrical and		and explanations of and degree of
	findings from enquiries,	similarities and differences,		thermal), and response to		trust in results, in oral and written
	including conclusions, causal			magnets		
		•				·

relationships and explanations	including micro-organisms, plants	know that some materials will	forms such as displays and other
of and degree of trust in	and animals	dissolve in liquid to form a	presentations
results, in oral and written	- give reasons for classifying	solution, and describe how to	- identifying scientific evidence
forms such as displays and	plants and animals based on	recover a substance from a	that has been used to support or
other presentations	specific characteristics	solution	refute ideas or arguments
- identifying scientific		use knowledge of solids,	Animals inc. humans
evidence that has been used		liquids and gases to decide	- describe the changes as humans
to support or refute ideas or		how mixtures might be	develop to old age
arguments		separated, including through	
Animals inc. Humans		filtering, sieving and	
- identify and name the main		evaporating	
parts of the human circulatory		give reasons, based on	
system, and describe the		evidence from comparative	
functions of the heart, blood		and fair tests, for the	
vessels and blood		particular uses of everyday	
- recognise the impact of diet,		materials, including metals,	
exercise, drugs and lifestyle		wood and plastic	
on the way their bodies		demonstrate that dissolving,	
function		mixing and changes of state	
- describe the ways in which		are reversible changes	
nutrients and water are		explain that some changes	
transported within animals,		result in the formation of new	
including humans		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	
	•		