



	Autumn	Spring	Summer
EYFS	Autumn 1— Us, our bodies and senses  Autumn 2 — Light and Materials  Cooking and Baking	Spring 1— Pets and other animals (habitats)  Spring 2— How do people use Science to help us?	Summer 1 - Planting and growing (farming)  Summer 2 - Transport, movement and forces
Year 1	Autumn 1— Light (Physics)  Autumn 2— Seasonal change (observing and recording through- out the year) (Physics)	Spring 1—Animals including humans (Biology)  Spring 2—Materials (Chemistry)	Summer 1 —Forces (Physics)  Summer 2 —Plants (Biology)
Year 2	Seasona	l and weather charting through out the year EYFS a	nd Yr 1
PEUL E	Autumn 1— Living things and their habitats (Biology)  Autumn 2— Electricity (Physics)	Spring 1—Materials (Chemistry)  Spring 2—Forces (Physics)	Summer 1—Animals including humans (Biology)  Summer 2— Plants (Biology)
Year 3	Autumn 1— Materials (Chemistry)  Autumn 2— Animals including humans (Biology)	Spring 1—Rocks and soils (Chemistry)  Spring 2—Magnets (Physics)	Summer 1—Plants (Biology)  Summer 2— Light (Physics)
Year 4	Autumn 1— Forces (Physics)  Autumn 2— Electricity (Physics)	Spring —States of Matter (Chemistry)	Summer 1—Living things and their habitats (Biology)  Summer 2—Animals including humans (Biology)
Year 5	Autumn — Materials (Chemistry)	Spring 1—Earth and Space (Physics)  Spring 2—Sound (Physics)	Summer 1—Living things and their habitats (Biology)  Summer 2— Animals including humans (Biology)
Year 6	Autumn 1—Evolution and Inheritance (Biology)  Autumn 2—Living things and their habitats (Biology)	Spring 1—Forces (Physics)  Spring 2 —Animals including humans (Biology)	Summer 1—Animals including humans (Biology)  Summer 2—Light (Physics)





EYFS	Autumn	Spring	Summer
Term			
Theme N.C PoS	Autumn 1— Us, our bodies and senses	Spring 1— Pets and other animals (habitats)	Summer 1 - Planting and growing and farming
	Autumn 2 — Light and Materials Cooking and Baking	Spring 2— How do people use Science to help us?	Summer 2 - Transport, movement and forces.
Skills to	·	Pets & Other Animals-	Planting & Growing-
Skills to be cov- ered	Us, our bodies and senses—  Make simple observations about parts of the body 3 to 4 years  Talk about what they see using a wide vocabulary  Understand the key features of the life cycle of a plant and an animal  Begin to understand the need to respect and care for the natural environment and all living things.  Begin to make sense of their own life-story and family's history  Continue developing positive attitudes about the differences between people.  Reception  Talk about members of their immediate family and community  Name and describe people that are familiar to them  Describe what they see hear and feel while outside  Light and Materials-  Be able to ask and answer questions (with support) in familiar contexts, e.g. What happens at night? What can we see when it's dark?  3 to 4 years  Explore collections of materials with similar and/or different properties  Use all their senses in hands-on exploration of natural materials.  Talk about what they see using a wide vocabulary  Explore how things work  Talk about the differences between materials and changes they notice.  Reception  Explore the natural world around them  Describe what they see hear and feel while outside  Cooking & Baking:  Make observations, comment on how things change, e.g. before and after, chopping, cooking, baking  to 4 years  Talk about what they see using a wide vocabulary  Explore how things work  Talk about the differences between materials and changes they notice.	Pets & Other Animals-  To observe closely and present results  Can comment on how two, e.g. animals, are similar or different from each other; notice and describe how they change as they grow  Sort e.g. living things, into two simple groups, using given criteria Communicate what they have learned through drawing 3 to 4 years  Talk about what they see using a wide vocabulary  Understand the key features of the life cycle of a plant and an animal  Begin to understand the need to respect and care for the natural environment and all living things.  Reception  Explore the natural world around them  Describe what they see hear and feel while outside  Understand the effect of changing seasons on the natural world around them  Habitats around us - who lives here?  To ask and answer science questions  Ask and answer questions about what they have observed, e.g. Who lives where? Why do some animals live in dark places and some do not?  Select equipment and materials to use to create e.g. a nest, or animal habitat (bug hotel, hedgehog home)  1 to 4 years  Talk about what they see using a wide vocabulary  Understand the key features of the life cycle of a plant and an animal  Begin to understand the need to respect and care for the natural environment and all living things.  Know there are different countries in the world and talk about the differences they have experienced or seen in photos.  Using their senses in hands on exploration of natural materials.  Explore the natural world around them  Describe what they see hear and feel while outside  Recognise some environments that are different to the one in which they live  Understand the effect of changing seasons on the natural world around them  People that help us  3 to 4 years  Talk about what they see using a wide vocabulary  Show interest in different occupations  Explore how things work  Recognise some similarities and differences between life in this country and life in other countries.  Talk about members of their immediate family and community	Planting & Growing-  To observe closely and record results Make simple observations of e.g. size, shape, Comment on what they see as they investigate and on how things change over time Participate in class data collection. Farming To interpret results Communicate orally, in simple descriptions and explanations, e.g. talk about a farm, which animals to 4 years Talk about what they see using a wide vocabulary Explore how things work Plant seeds and care for growing plants Understand the key features of the life cycle of a plant and an animal Begin to understand the need to respect and care for the natural environment and all living things. Use all their senses in hands-on exploration of natural materials. Reception Explore the natural world around them Know there are different countries in the world and talk about the differences they have experienced or seen in photos. Describe what they see hear and feel while outside Understand the effect of changing seasons on the natural world around them  Transport
Re-	Body model—see Science cupboard	Use plastic animals to create results—server room	What the Ladybug Heard
sources (Texts/	Dark Den—Cupboard	Bug hotel—nature area	Emma Jane
Visual Re-	San College Co	Bug exploration—Science cupboard	Lost and Found
sources)			
		Hungry Caterpillar/ Bear Hunt/ Dear Zoo	





Year 1 Term	Autumn	Spring	Summer
Theme N.C PoS	Autumn 1— Light (Physics)	Spring 1—Animals including humans (Biology)	Summer 1 —Forces (Physics)
14.5 7 5 5	Autumn 2— Seasonal change (observing and re- cording throughout the year) (Physics)	Spring 2 —Materials (Chemistry)	Summer 2 —Plants (Biology)
Progression Statement	Light is needed in order to see things and darkness is the absence of light  Find patterns in the way that the size of a shadow changes  Shiny objects need a light source to "shine" and they are not sources of light  Seasonal Change:  Observe changes across the four seasons  Observe and describe weather associated with the seasons and how day length varies	Animals including humans:  Identify and name a variety of common animals that are carnivores, herbivores & omnivores  Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals  Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense  Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)  Materials:  Distinguish between an object and the material from which it is made  Identify and name a variety of materials, including wood, plastic, glass, metal, water and rock  Describe the simple properties of a variety of everyday materials  Compare and group together a variety of everyday materials on the basis of their simple physical properties	Forces:  That pushing or pulling things can make objects start or stop moving  To observe and describe different ways of moving  To know that things can be made to move by other means than ourselves (e.g. wind/water etc)  Plants:  Identify and describe the basic structure of a variety of flowering plants, including trees, roots, leaves, flowers, stem).  Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees  (NEW 2025-26 No investigation needed where plants are grown in different conditions this is done in Year 2)  Westgate Woods trip planned in
Working Scientifically Enquiry Type  Working Scientifically Skills	Light:  Pattern seeking/Noticing patterns Grouping & Classifying  Seasonal Changes: Observing changes over time Pattern Seeking/Noticing patterns  Light: Observing closely Identifying & Classifying Communicate outcomes in different ways Gathering & recording data to help in answering questions  Seasonal Changes: Gathering & interpreting data Making careful observations Communicate outcomes in different ways Asking & answering questions	Animals inc. Humans:  Research from Secondary Sources  Comparative Testing  Grouping & Classifying  Materials:  Comparative Testing  Grouping & Classifying  Animals inc. Humans:  Observing closely using simple equipment  Asking simple questions and recognising that they can be answered in different ways  Identifying & Classifying  Communicate outcomes in different ways  Materials:  Observing closely  Identifying & Classifying  Communicate outcomes in different ways  Gathering & recording data to help in answering questions	Forces:  Comparative Testing Grouping & Classifying  Plants: Grouping & Classifying Research from Secondary Sources Pattern Seeking  Forces: Using simple equipment Identifying & classifying Gathering & recording data to help in answering questions  Plants: Comparing & contrasting Identifying & classifying Observing closely
Resources (Texts/Visual Resources)	Dark den Seasonal change posters—Nature Area	Materials boxes  Human body model  Blue = KPL Red = National Curriculum Green = Staniland enriched curriculum	Forces boxes Order seeds and soil





Year 2 Term	Autumn	Spring	Summer
Theme	Autumn 1— Things and their habitats (Biology)  Autumn 1— Electricity (Physics)	Spring 1—Materials (Chemistry)  Spring 2—Forces (Physics)	Summer 1—Animals including humans (Biology)  Summer 2— Plants (Biology)
Progression Statement TO KNOW	<ul> <li>Things and their habitats:</li> <li>Explore and compare the differences between things that are living, dead and things that have never been alive</li> <li>Identify that most living things live in habitats to which they are suited and describes how they are suited to that habitat</li> <li>Identify and name a variety of plants and animals in their habitats, including microhabitats</li> <li>Identify animals from a range of animal groups and describes their observable features</li> <li>Describe how animals obtain their food from plants and other animals, using the idea of simple food chains and identify and name different sources of food</li> <li>Electricity:</li> <li>Identify common appliances that use electricity</li> <li>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</li> <li>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 battery</li> <li>Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit</li> </ul>	<ul> <li>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard, for particular uses</li> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> <li>Forces:</li> <li>That pushes and pulls are an example of a force</li> <li>That pushes and pulls can make things speed up, slow down, change direction or change shape</li> </ul>	All animals (inc. humans) grow and change as they become older  Find out about and describe the basic needs of animals, including humans, for survival (water, food, air)  Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene  Plants:  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  (New 2025-26 look after plants as they grow—weeding, thinning, watering etc. make close observations and measurements of their plant's growing from seed or bulbs. Plant two different types of plants one from a seed the other from a bulb and observe the differences in hydroponic labs.)
Working Scientifically Enquiry Type TO BE ABLE TO  Working Scientifically Skills TO BE ABLE TO	Living Things & Their Habitats:  Observing changes over time  Grouping & Classifying  Research from Secondary Sources  Electricity:  Grouping & Classifying  Living Things & Their Habitats:  Using simple equipment  Recording observations in a range of ways  Use data to suggest answers to question  Electricity:  Identifying differences, similarities or changes related to simple scientific ideas and processes  Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables  Reporting on findings from enquiries, including oral and writ-	Materials:  Grouping & Classifying  Comparative Testing & Simple Fair Tests  Forces:  Grouping & Classifying  Comparative Testing & Simple Fait Tests  Research from Secondary Sources  Materials:  Using observations and ideas to suggest answers to questions  Gathering and recording data to help in answering questions  Using simple equipment  Identifying & Classifying  Making careful observations  Forces:  Using simple equipment to measure & observe things  Using observations & ideas to suggest answers to questions  Gathering and recording data to help in answering questions	Animals inc. Humans:  Research from Secondary Sources  Observing changes over time  Pattern Seeking/Noticing patterns  Grouping & Classifying  Plants:  Grouping & Classifying  Observing changes over time  Comparative Testing & simple Fair Tests  Noticing Patterns/Pattern Seeking  Animals inc. Humans:  Gathering & recording data to help in answering questions  Using observations and ideas to help answer questions  Identifying & Classifying  Plants:  Observing closely, using simple equipment  Asking simple questions & recognising they can be answered in different ways  Gathering and recording data to help in answering questions  Using observations & ideas to suggest answers to questions
Resources (Texts/Visual Resources)	ten 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  Circuits  Animal photos  Animals—server room	Identifying differences, similarities or changes related to simple scientific ideas and processes  Forces boxes Materials boxes  Blue = KPI. Red = National Curriculum. Green = Staniland enriched curriculum.	Plants—ordered before





Year 3 Term	Autumn	Spring	Summer
Theme	Autumn 1— Animals including humans (Biology)  Autumn 2— Materials (Chemistry)	Spring 1—Rocks and soils (Chemistry) Spring 2—Magnets (Physics)	Summer 1—Plants (Biology)  Summer 2— Light (Physics)
Progression Statement	Materials:     That materials often change when they are heated and		Explore the requirements of plants for life and growth (air,
TO KNOW	<ul> <li>The same material can be used to make different ob-</li> </ul>	l de la companya de	light, water, nutrients from the soil, room to grow) and how they vary from plant to plant
	<ul> <li>Know that some materials are electrical and thermal insulators</li> </ul>	<ul> <li>lived are trapped within rock</li> <li>Recognise that soils are made from rocks and organic matter.</li> </ul>	<ul> <li>Investigate the way water is transported within plants</li> <li>Explore the part that flowers play in the lifecycle of flowering plants, including pollination, seed formation and seed dispersal</li> </ul>
	Know that some materials are electrical and thermal conductors	Observe how magnets attract or repel each other	<ul> <li>Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers</li> </ul>
	Animals including Humans:	<ul> <li>Predict whether two magnets will attract or repel each other, depending on which poles are facing</li> </ul>	(NEW 2025-26 observe what happens to plants over time when the leaves or roots are removed. Investigate what happens to plants when
	Identify teeth and their functions	<ul> <li>Describe magnets as having two poles</li> <li>Compare and group together a variety of everyday materials on the basis</li> </ul>	they are put in different condition e.g. darkness, in cold deprived of air, different types of soil, different fertilisers, varying amount of space using hydroponic labs)
	<ul> <li>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</li> </ul>	of whether they are attracted to a magnet, and identify some magnetic materials	Lights:
	they eat	<ul> <li>Notice that some forces need contact between two objects, but magnetic forces can act at a distance</li> </ul>	Recognise that shadows are formed when the light from a light source is blocked by an opaque object
			Recognise that light from the sun can be dangerous and that there are ways to protect their eyes
	Materials:	Rocks & Soils:	Notice that light is reflected from surfaces    Plants:
W/autin a	• Grouping & Classifying	Grouping & Classifying	Grouping & Classifying
Working Scientifically	Comparative & Fair Testing	Comparative & Fair Testing	Comparative & Fair Testing
Enquiry Type	Animals inc. Humans:	<ul> <li>Observing Changes Over Time</li> <li>Research from Secondary Sources</li> </ul>	<ul> <li>Observing Changes Over Time</li> <li>Research from Secondary Sources</li> </ul>
TO BE ABLE	Grouping & Classifying	Nacional St. Prom Societary States	Light:
TO	Research from Secondary Sources	Magnets:	Grouping & Classifying
		Grouping & Classifying     Companyation & Sain Tagking	Pattern Seeking/Noticing patterns
		Comparative & Fair Testing	Comparative & Fair Testing
Working	Materials:	Rocks & Soils:	Plants:
Scientifically Skills	Recording findings using simple scientific language, drawings, labelled diagrams,	Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables	Asking relevant questions & recognising they can be answered in different ways
	keys, bar charts and tables	Asking relevant questions & recognising they can be answered in different ways	Identifying differences, similarities or changes related to simple scientific ideas and processes
TO BE ABLE TO	Asking relevant questions & recognising they can be answered in different ways	Gathering, recording, classifying and presenting data in a variety of ways to help answer questions	Setting up & using equipment
	<ul> <li>Gathering, recording, classifying and presenting data in a variety of ways to help answer questions</li> </ul>	Using straightforward scientific evidence to answer questions or to support their findings  The side of the state of	<ul> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables</li> </ul>
	Using straightforward scientific evidence to answer questions or to support their	Identifying differences, similarities or changes related to simple scientific ideas and processes  Adaptation	Using results to draw simple conclusions and suggest improvements, new questions and predictions for setting up further tracts.
	findings	Magnets:  Reporting on findings from enquiries, including oral and written explanations, displays or presentations of	<ul> <li>tions for setting up further tests</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presen-</li> </ul>
	Animals inc. Humans:	results and conclusions	tations of results and conclusions  Light:
	Asking relevant questions	<ul> <li>Gathering, recording, classifying and presenting data in a variety of ways to help answer questions</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables</li> </ul>	Gathering, recording, classifying and presenting data in a variety of ways to help answer ques-
	<ul> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes</li> </ul>	Making systematic & careful observations	<ul> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presen-</li> </ul>
	Gathering, recording, classifying and presenting data in a variety of ways to help		tations of results and conclusions
	<ul> <li>answer questions</li> <li>Making systematic &amp; careful observations</li> </ul>		<ul> <li>Using results to draw simple conclusions, make predictions for new values</li> <li>Using straightforward scientific evidence to answer questions or to support their findings</li> </ul>
	Using straightforward scientific evidence to answer questions or to support their		<ul> <li>Using straightforward scientific evidence to answer questions or to support their findings</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes</li> </ul>
	findings		Setting up & Making accurate measurements using standard units, using a range of equipment, for
Resources	Materials boxes	Rocks and soils in cupboard	example thermometers and dataloggers  Materials
(Texts/Visual Resources)	Human body—Science cupboard  Blue = 1	P <b>MRgtle#S</b> National Curriculum. Green = Staniland enriched curriculum.	Plants — email Mrs Charlesworth





Year 4 Term	Autumn		
year 4 Term	Autumn (	Spring	Summer
Theme	Autumn 1— Forces (Physics) Autumn 1— Electricity (Physics)	Spring—States of Matter (Chemistry)	Summer 1—Living things and their habitats (Biology) Summer 2—Animals including humans (Biology)
Progression State- ment TO KNOW	<ul> <li>Compare how different things move on different surfaces</li> <li>Know that friction is a force that slow moving objects and may prevent objects from starting to move</li> <li>Know when objects are pushed or pulled, an opposing pull or push can be felt</li> <li>Know how to measure forces and identify the direction in which they act</li> <li>Electricity: <ul> <li>Recognise some common conductors and insulators, and associate metals with being good conductors</li> </ul> </li> <li>Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</li> <li>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</li> </ul>	degrees Celsius (°C)  • Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature	<ul> <li>a variety of living things in their local and wider environment</li> <li>Recognise that environments can change and that this can sometimes pose dangers to living things</li> </ul>
Working Scientifically Enquiry Type TO BE ABLE TO	<ul> <li>Use recognised symbols when representing a simple circuit in a diagram</li> <li>Electricity:         <ul> <li>Carrying out comparative &amp; fair testing</li> <li>Research from secondary source</li> </ul> </li> <li>Forces:         <ul> <li>Pattern seeking/Noticing patterns</li> <li>Comparative &amp; Fair Testing</li> </ul> </li> </ul>	States of Matter:  Grouping & Classifying  Observing Changes Over Time  Carrying out comparative & fair testing  Research from secondary sources	Living Things & Their Habitats:      Grouping & Classifying     Pattern Seeking/Noticing patterns     Research from secondary sources Animals inc. Humans:     Grouping & Classifying     Research from secondary sources
Working Scientifically Skills TO BE ABLE TO	<ul> <li>Electricity:         <ul> <li>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</li> <li>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</li> <li>Identifying scientific evidence that has been used to support or refute ideas or arguments</li> </ul> </li> <li>Forces:         <ul> <li>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, including taking repeat readings when appropriate</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further question</li> </ul> </li> </ul>	<ul> <li>States of Matter:         <ul> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables</li> <li>Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions</li> <li>Using straightforward scientific evidence to answer questions or to support their findings</li> </ul> </li> </ul>	<ul> <li>Living Things &amp; Their Habitats:</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables</li> <li>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions</li> <li>Making systematic &amp; careful observations</li> <li>Making systematic and careful observations and recording findings using diagrams or keys</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions</li> <li>Using straightforward scientific evidence to answer questions to support findings</li> <li>Animals inc. Humans:</li> <li>Using straightforward scientific evidence to answer questions, or to support their findings</li> <li>Gathering, recording, classifying and presenting data in a variety of ways to help answer questions</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions</li> </ul>
Resources (Texts/Visual Re- sources)	Forces boxes—Phizzy forces Circuit boxes	Meet a farmer—online	Human body—science cupboard





VCADEMA.	Table of the state		
Year 5 Term	Autumn	Spring	Summer
Theme	Autumn — Materials (Chemistry)	Spring 1—Earth and Space (Physics) Spring 2—Sound (Physics)	Summer 1—Living things and their habitats (Biology) Summer 2— Animals including humans (Biology)
Durantainn	Materials	Earth and Space	Living things and their habitats:
Progression Statement TO KNOW	<ul> <li>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</li> <li>Know that some materials will dissolve in liquid to form a solu-</li> </ul>	<ul> <li>Describe the movement of the Earth, and other planets, relative to the Sun in the solar system</li> <li>Describe the movement of the Moon relative to the Earth</li> </ul>	<ul> <li>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</li> <li>Describe the life process of reproduction in some plants and animals</li> </ul>
	tion, and describe how to recover a substance from a solution	Describe the Sun, Earth and Moon as approximately spherical bodies	Animals including humans:
	<ul> <li>Use knowledge of solids, liquids and gases to decide how mix- tures might be separated, including through filtering, sieving and evaporating</li> </ul>	Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.  Sound	<ul> <li>Describe the changes as humans develop to old age</li> <li>Compare reproduction in plants with reproduction in animals</li> </ul>
	<ul> <li>Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</li> </ul>	Identify how sounds are made, associating some of them with something vibrating	
	<ul> <li>Demonstrate that dissolving, mixing and changes of state are reversible changes</li> </ul>	<ul> <li>Find patterns between the pitch of a sound and features of the object that produced it</li> </ul>	
	<ul> <li>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.</li> </ul>	<ul> <li>Find patterns between the volume of a sound and the vibrations that produced it</li> <li>Recognise that sounds get fainter as the distance from the sound source increases</li> </ul>	
		Recognise that vibrations from sounds travel through a medium to the ear	
Working Scientifically Enquiry Type TO BE ABLE TO	Properties of Materials:  Grouping & Classifying  Carrying out Comparative & Fair Testing  Observing Changes Over Tim	<ul> <li>Earth &amp; Space:</li> <li>Research from Secondary Sources</li> <li>Pattern Seeking/Noticing patterns</li> <li>Observing Changes Over Time</li> <li>Sound:</li> <li>Carrying out comparative &amp; fair testing</li> <li>Pattern Seeking/Noticing patterns</li> </ul>	Living Things & Their Habitats:  Research from Secondary Sources  Grouping & Classifying  Animals inc. Humans:  Grouping & Classifying  Research from Secondary Sources  Pattern Seeking/Noticing Patterns
Working Scientifically Skills TO BE ABLE TO	<ul> <li>Properties of Materials:         <ul> <li>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</li> </ul> </li> <li>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, and taking repeat readings when appropriate</li> <li>Identifying scientific evidence that has been used to support or refute ideas or argument</li> <li>Using test results to make predictions to set up further comparative and fair tests</li> <li>Planning different types of science enquiries to answer questions, including recognising and controlling variables where necessary</li> <li>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs and bar and line graphs</li> <li>Using test results to make predictions to set up further comparative and fair test</li> </ul>	<ul> <li>Earth &amp; Space:         <ul> <li>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs and bar and line graphs</li> <li>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</li> <li>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, and taking repeat readings when appropriate</li> <li>Identifying scientific evidence that has been used to support or refute ideas or argument</li> <li>Using test results to make predictions to set up further comparative and fair tests</li> </ul> </li> <li>Sound:         <ul> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes</li> <li>Recording findings using drawings and labelled diagrams</li> <li>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</li> <li>Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including data loggers</li> </ul> </li> </ul>	<ul> <li>Living Things &amp; Their Habitats:         <ul> <li>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</li> <li>Identifying scientific evidence that has been used to support or refute ideas or arguments</li> </ul> </li> <li>Animals inc. Humans         <ul> <li>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</li> <li>Identifying scientific evidence that has been used to support or refute ideas or argument</li> <li>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs and bar and line graphs</li> </ul> </li> </ul>
(Texts/Visual Resources)	Materials Email—Mrs Charlesworth before needing any resources	Space box Sound box Blue = KPI. Red = National Curriculum. Green = Staniland enriched curriculum.	Order soil and plants





Year 6 Term	Autumn	Spring	Summer
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Theme	Spring 1—Evolution and Inheritance (Biology)  Spring 2—Living things and their habitats (Biology)	Spring 1—Forces (Physics) Spring 2 —Animals including humans (Biology)	Summer 1 — Animals including humans (Biology) Summer 2—light (Physics)
Progression State-	Evolution and Inheritance:	Forces:	Animals including humans:
ment TO KNOW	<ul> <li>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</li> </ul>	Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the earth and falling object	function
	<ul> <li>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to</li> </ul>	Identify the effects of air resistance, water resistance and friction, that act between moving surfaces	functions of the heart, blood vessels and blood
	<ul> <li>their parents</li> <li>Identify how animals and plants are adapted to suit their</li> </ul>	<ul> <li>Recognise that some mechanisms, including levers, pulleys, gears allow a smaller force to have a greater effect</li> </ul>	<ul> <li>Describe the ways in which nutrients and water are transported within animals, in- cluding humans.</li> </ul>
	environment in different ways and that adaptation may lead to evolution.	Animals including humans:	Light:
	Living things and their habitats:	<ul> <li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</li> </ul>	<ul> <li>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</li> </ul>
	Describe how living things are classified into broad groups according to common observable characteristics and	Identify and name the main parts of the human circulatory system and describe the functions of the heart, blood vessels and blood	
	based on similarities and differences, including micro- organisms, plants and animals	<ul> <li>Describe the ways in which nutrients and water are transported within animals, including humans.</li> </ul>	• Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them
	<ul> <li>Give reasons for classifying plants and animals based on specific characteristics.</li> </ul>	within animals, including numans.	<ul> <li>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</li> </ul>
	Evolution & Inheritance:	Forces:	Animals inc. Humans:
Working	Grouping & Classifying	Carrying out Comparative & Fair Testing	Research from Secondary Sources
Scientifically	Research From Secondary Sources     Company on Company to Spin Tooks	Noticing Patterns/Pattern Seeking	Grouping & Classifying     Group in a sub-assurpantial & fair to still a
Enquiry Type	Carrying out Comparative & Fair Tests	Animals inc. Humans:	Carrying out comparative & fair testing
TO BE ABLE TO	Living Things & Their Habitats:	Research from Secondary Sources	Light:
	Grouping & Classifying	Grouping & Classifying	Noticing Patterns/Pattern Seeking
	Observing changes over time	Carrying out comparative & fair testing	Carrying out comparative & Fair Tests
	Research from Secondary Sources		
Working Scientifically Skills	Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs and bar and line graphs	Forces:  • Identifying scientific evidence that has been used to support or refute ideas or argument	Animals inc. Humans:     Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, and bar and line graphs
TO BE ABLE TO	<ul> <li>Identifying scientific evidence that has been used to support or refute ideas</li> </ul>	<ul> <li>Planning different types of science enquiries to answer questions, including recognising and controlling variables where necessary</li> <li>Using test results to make predictions to set up further comparative</li> </ul>	<ul> <li>Reporting and presenting findings from enquiries, including conclusions, causal relation- ships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations</li> </ul>
	<ul> <li>Planning different types of enquiries to answer questions including recognising and controlling variables where neces- sary</li> </ul>	<ul> <li>and fair tests</li> <li>Reporting and presenting findings from enquiries, including conclusions,</li> </ul>	Identifying scientific evidence that has been used to support or refute ideas or arguments
	<ul> <li>Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and de-</li> </ul>	causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations  Recording data and results of increasing complexity using scientific	Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, and taking repeat readings when appropriate
	gree of trust in results, in oral and written forms such as displays and other presentations	diagrams and labels, classification keys, tables, scatter graphs and bar and line graphs	Light:  • Identifying scientific evidence that has been used to support or refute ideas
	Living Things & Their Habitats:  Recording data and results of increasing complexity using	Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, and taking repeat readings when appropriate	<ul> <li>Using test results to make predictions to set up further comparative and fair tests</li> <li>Recording data and results of increasing complexity using scientific diagrams and labels,</li> </ul>
	scientific diagrams and labels, classification keys, tables, scatter graphs, and bar and line graphs	'	<ul> <li>classification keys, tables, scatter graphs and bar and line graphs</li> <li>Planning different types of enquiries to answer questions including recognising and con-</li> </ul>
	<ul> <li>Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and de- gree of trust in results, in oral and written forms such as</li> </ul>	Animals inc. Humans:     Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, and bar	<ul> <li>Training dryferent types of enquiries to diswer questions including recognising and controlling variables where necessary</li> <li>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</li> </ul>
	<ul> <li>displays and other presentations</li> <li>Identifying scientific evidence that has been used to support or refute ideas</li> </ul>	<ul> <li>and line graphs</li> <li>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</li> </ul>	displays and other presentations
	<ul> <li>Planning different types of enquiries to answer questions including recognising and controlling variables where neces-</li> </ul>	<ul> <li>Identifying scientific evidence that has been used to support or refute ideas or arguments</li> </ul>	
	sary	Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, and taking repeat readings when appropriate	
Resources (Texts/Visual Re- sources)		Forces box Light box	Human body resources