



Term	Topic(s)	Values	Skills and Knowledge
EY Term 1.1 EY Term 1.2	ELG: The Natural World Children at the expected level of development will: - Explore the natural world around them, making observations and drawing pictures of animals and plants; - Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class; - Understand some important processes and changes in the natural world around them, including the seasons and changing state of matter. Children in Reception will be provided with enrichment and opportunities that enable them to develop the skills and knowledge within this area of learning. These opportunities and plans will follow the Early Years planning cycle Observe/Plan/Do/Review, following the children's interests, strengths and needs. Children will be supported to develop the Characteristics of Effective Learning. Values: Collaboration, Compassion, Exploration, Pride.		
Y1 Term 1.1	Animals including humans and senses Scientist: Chris Packham (Animal Conservationist)	Challenge Collaboration Resilience Pride Exploration	 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 Working Scientifically asking simple questions and recognising that they can be answered in different ways observing closely, using simple equipment





Y1 Term 1.2	Seasons: Autumn & Winter Scientist: Dr Steve Lyons (Extreme Weather)	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically 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.
Y2 Term 1.1 Y2 Term 1.2	Animals including Humans Scientist: Robert Winston (Human Scientist)	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically 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.
--	--





Term	Topic(s)	Values	Skills and Knowledge
EY			
Term 2.1			
EY			
Term 2.2			
Y1	Every Day	Challenge	distinguish between an object and the material from which it is made
Term 2.1	Materials	Collaboration Resilience	identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
	Scientist: Charles Macintosh	Pride Exploration	 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. Working Scientifically
	(Waterproof coat)		 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.
Y1	Animals including	Challenge	 notice that animals, including humans, have offspring which grow into adults
Term 2.2	Humans Collaboration	Collaboration Resilience	 find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
		Pride Exploration	 describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. Working Scientifically





			 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.
Y2 Term 2.1	Living Things and their Habitats Scientists: Liz Bonnin (Conservationist)	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically 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.
Y2 Term 2.2	Uses of Everyday Materials	Challenge Collaboration Resilience	identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses





Scientist: William Addis	Pride Exploration	 find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching Working Scientifically
(Toothbrush Inventor)		 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.





Term	Topic(s)	Values	NC Skills and Knowledge
EY	• • • •		
Term 3.1			
EY			
Term 3.2			
Y1 Term 3.1	Plants	Challenge Collaboration	identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
101111 011		Resilience Pride	 identify and describe the basic structure of a variety of common flowering plants, including trees. Working Scientifically
	Scientist: Beatrix Potter	Exploration	 asking simple questions and recognising that they can be answered in different ways
	(Author & Botanist)		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.
Y 1	Seasons:	Challenge	observe changes across the four seasons
Term 3.2	Spring & Summer	Collaboration	 observe and describe weather associated with the seasons and how day
	_	Resilience Pride	length varies. Working Scientifically
	Scientist:	Exploration	 asking simple questions and recognising that they can be answered in different ways
	Holly Green		observing closely, using simple equipment





	(Meteorologist)		 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.
Y2 Term 3.1 Y2 Term 3.2	Scientist: Agnes Arber (Botanist)	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically 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.





Term	Topic(s)	Values	Skills and Knowledge		
Y3 Term 1.1	Forces and	Challenge Collaboration	 compare how things move on different surfaces notice that some forces need contact between two objects, but magnetic 		
Y3 Term 1.2	Resilience	Resilience Pride	forces can act at a distance observe how magnets attract or repel each other and attract some materials and not others 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 describe magnets as having two poles predict whether two magnets will attract or repel each other, depending on which poles are facing. Working Scientifically 		
					 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
			 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer questions or to support their findings.
Y4 Term 1.1	Scientist: Benjamin Franklin (Lightning Rod)	Challenge Collaboration Resilience Pride Exploration	 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 battery 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 Working Scientifically
			 asking relevant questions and using different types of scientific enquiries to answer them setting up simple practical enquiries, comparative and fair tests 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.
Y4	Solids, Liquids &	Challenge	compare and group materials together, according to whether they are
Term 1.2	Gases	Collaboration	solids, liquids or gases





Y5 Term 1.1 Y5 Term 1.2	Properties and Changes of Materials	Challenge Collaboration Resilience Pride Exploration	 questions or to support their findings. 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
		Resilience Pride Exploration	 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 Working Scientifically 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 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer





			 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 Working Scientifically 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs using test results to make predictions to set up further comparative and fair
			tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.
Y6	Evolution and	Challenge	Know about evolution and can explain what it is.
Term 1.1	Inheritance	Collaboration	Know how fossils can be used to find out about the past.
		Resilience Pride	 Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents





	Scientist: Charles Darwin	Exploration	 Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago Working Scientifically 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs using test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.
Y6 Term 1.2	Animals including Humans Scientist: Sir Richard Doll	Challenge Collaboration Resilience Pride Exploration	 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 body's function. Describe the ways in which nutrients and water are transported within animals, including humans. Working Scientifically
			 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





(Linking Smoking and Health Problems)	recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs use test results to make predictions to set up further comparative and fair tests
	 reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.





Term	Topic(s)	Values	Skills and Knowledge
Y3 Term 2.1	Animals including Humans Scientist: Marie Curie (Radiation / X-Rays)	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically 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 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer questions or to support their findings.
Y3	Rocks	Challenge	 compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
Term 2.2	Scientist:	Collaboration Resilience Pride	 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.





	Geerat Vermeij	Exploration	Working Scientifically
	(Paleo ecologist)		 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 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer questions or to support their findings.
Y4	Animals including	Challenge	describe the simple functions of the basic parts of the digestive system in
Term 2.1	Humans Scientist: Ivan Pavlov (Digestive System Mechanisms)	Collaboration Resilience Pride Exploration	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 Working Scientifically asking relevant questions and using different types of scientific enquiries to answer them
			 setting up simple practical enquiries, comparative and fair tests gathering, recording, classifying and presenting data in a variety of ways to help in answering questions





			 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 using straightforward scientific evidence to answer questions or to support their findings
Y4 Term 2.2	Living Things and their Habitats Scientist: Jaques Cousteau (Marine Biologist)	Challenge Collaboration Resilience Pride Exploration	 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 Working Scientifically 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 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer questions or to support their findings
Y5 Term 2.1	Living Things and their Habitats	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs use test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.
Y5 Term 2.2	Earth and Space Scientist: Mae C Jemison (American Engineer)	Challenge Collaboration Resilience Pride Exploration	 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.





			Working Scientifically
			 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs use test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of results, in oral and written forms such as displays and other presentations identifying scientific evidence that has been used to support or refute ideas
Y6	Living Things and	Challenge	or arguments. • describe how living things are classified into broad groups according to
Term 2.1	their Habitats	Collaboration Resilience	common observable characteristics and based on similarities and differences, including microorganisms, plants and animals
		Pride	 give reasons for classifying plants and animals based on specific characteristics.
	Scientist:	Exploration	Working Scientifically
	Lorenzo Langstroth (Bee Hive)		 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs
			 use test results to make predictions to set up further comparative and fair tests





			 reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.
Y6 Term 2.2	Scientist: Percy Shaw (The Cats Eye)	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs use test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.





Term	Topic(s)	Values	Skills and Knowledge
Y3 Term 3.1	Plants Scientist: Jan Ingenhousz (Photosynthesis)	Challenge Collaboration Resilience Pride Exploration	 identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant investigate the way in which water is transported within plants explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. Working Scientifically 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 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer questions or to support their findings.
Y3 Term 3.2	Light	Challenge Collaboration	recognise that they need light in order to see things and that dark is the absence of light





	Scientist: James Clerk Maxwell (Visible and Invisible Waves of Light)	Resilience Pride Exploration	 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. Working Scientifically 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 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer questions or to support their findings.
Y4 Term 3.1	Sound	Challenge Collaboration	 identify how sounds are made, associating some of them with something vibrating
Y4 Term 3.2	Scientist: Alexander Graham Bell	Resilience Pride	 recognise that vibrations from sounds travel through a medium to the ear find patterns between the pitch of a sound and features of the object that produced it





		Exploration	 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 Working Scientifically 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 gathering, recording, classifying and presenting data in a variety of ways to help in answering questions 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 using straightforward scientific evidence to answer questions or to support their findings.
Y5 Term 3.1	Forces Scientist: Isaac Newton (Gravitation)	Challenge Collaboration Resilience Pride Exploration	 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. Working Scientifically





Y5 Term 3.2	Animals including Humans Scientist: James Brodie of Brodie (Reproduction of Plants by Spores)	Challenge Collaboration Resilience Pride Exploration	 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs use test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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. describe the changes as humans develop to old age. Working Scientifically 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 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and bar and line graphs use test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.
Y6	Electricity	Challenge	 associate the brightness of a lamp or the volume of a buzzer with the number
Term 3.1		Collaboration	and voltage of cells used in the circuit





Phase 3 Planning – Science

Y6 Term 3.2	Scientist: Alessandro Volta (Electrical Battery) Resilience Pride Exploration	Pride	 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
			 reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of 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.

Our Units are not taught half-termly, they are taught by the objectives. This will mean that some units will roll over.