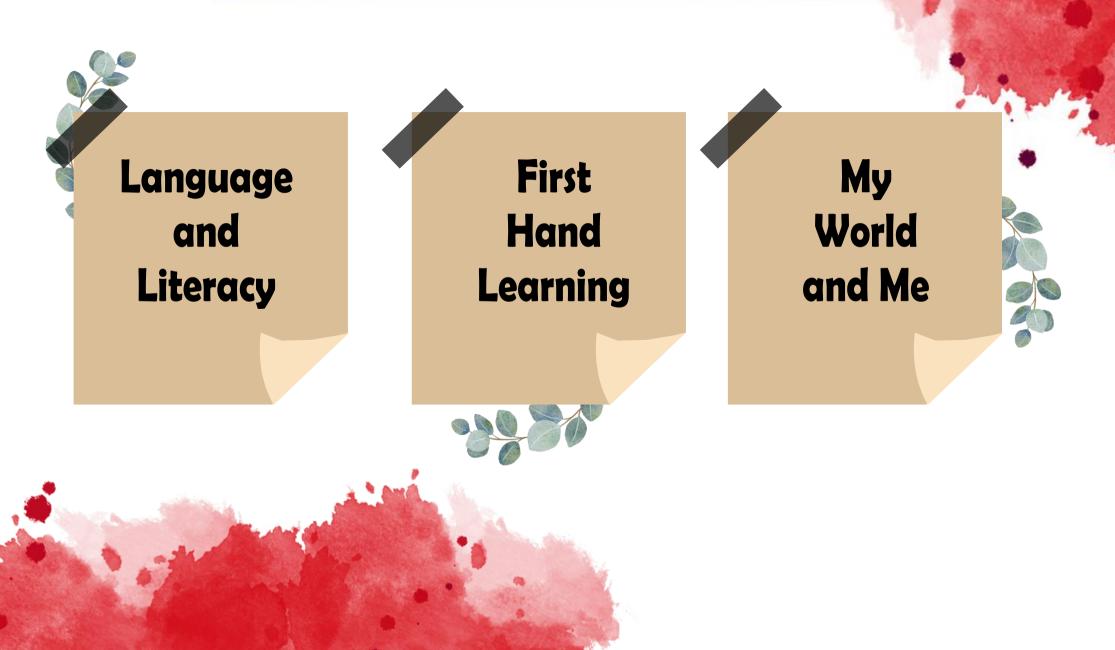


Our World of Learning in Science

Love learning and inspire each other to thrive in the world.





Our world of learning in Science - EYFS

Early Years Foundation Stage					
Knowledge and Understanding of the W Ages & Stages - Reception Explore the natural world around them Describe what they see, hear and feel whilst of Recognise some environments that are different to the on Understand the effect of changing seasons on the natural	outside. e in which they live. world around them.	ELG The Natural World 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 states of matter. ementation			
Science teaching and learning at Brindle Gregson Lane Primary School stimulates children's curiosity in finding out why things happen the way they do and will equip them with the knowledge required to understand the uses and implications of science, today and in the future on a personal, national and global level. The curriculum is designed to ensure that children are able to acquire key scientific knowledge through practical experiences; using equipment, conducting experiments, building arguments and explaining concepts confidently. The children are immersed in scientific vocabulary, which aids children's knowledge and understanding. We intend to provide all children with a broad and balanced science curriculum. <u>Aims:</u> To develop a positive attitude towards science and an awareness of its fascination An understanding of science through a process of enquiry and investigation Confidence and competence in scientific knowledge, concepts and skills An ability to reason, predict, think logically and to work sympathetically and accurately An ability to communicate scientifically The initiative to work both independently and in cooperation with others The ability and understanding to use and apply science across the curriculum and real life.	Teachers create a positive at their classrooms and reinford are capable of achieving high Scientifically is given priority Science lessons. Through Sc opportunity to question, comp conclusions, classify, observe scientific resources and tools Planning for science is a proor involved to ensure that the sc National Curriculum program and, 'Understanding of the W Foundation Stage. Science te Primary School involves adap to match all pupils' needs. Sc and lessons and where possi curriculum areas. The Science opportunity for building on kn year groups. Memorable knowledge and s of the units to provide progree This is supported by the use knowledge' which are display subject specific knowledge on to this knowledge and key vo	titude to science learning within e an expectation that all pupils of standards in science. Working in planning and delivery of cience, children have the bare, investigate, research, draw e and make use of specific	Impact The successful approach to the teaching of science at Brindle Gregson Lane Primary School will result in a fun, engaging, high quality science education that provides children with the foundations for understanding the world. Assessment at Brindle Gregson Lane Primary School is teacher based and formed using formal strategies (e.g. periodic year group assessment tasks, quizzes) and informal strategies (Use of concept maps, verbal/written outcomes, reflection tasks/presentations). Formative assessment is used as the main tool for assessing the impact of Science at Brindle Gregson Lane as it allows for misconceptions and gaps to be addressed more immediately rather than building on insecure scientific foundations. Children at Brindle Gregson School will: • demonstrate a love of science work and an interest in further study and work in this field • retain knowledge that is pertinent to Science with a real life context. • be able to question ideas and reflect on knowledge. • be able to articulate their understanding of scientific concepts and be able to reason scientifically using rich language linked to science. • work collaboratively and practically to investigate and experiment. • achieve age related expectations in Science at the end of their cohort year.		



Our world of learning in Science - Year One

		Year 1		
National Curriculum Objectives	Plants - Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees -Identify and describe the basic structure of a variety of common flowering plants, including trees.	Animals -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)	Human body and senses -Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	<u>Materials</u> -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.
Key Vocabulary	common wild plants garden plants, tree, deciduous, evergreen, trunk, branches, leaf, root, plant, leaf, bud, flowers, blossom, petals, root, stem, fruit, vegetables, bulb, seed	common animals, fish, amphibians, reptiles, birds, mammals, pets, carnivores, meat, cat, dog, lion, tiger, fox, shark, killer whale, eagle, hawk, snake, herbivores, plants, cow	Human, hear, neck, Arms, elbows, legs, Knees, face, ears, Eyes, hair, Mouth, teeth	metal , wood, plastic, glass, metal, water, rock, properties, hard, soft, stretch, stiff, shiny, dull, rough, smooth, bendy, waterproof, absorbent, brick, paper, fabrics, elastic, foil
Woking Scientifically	 Observing closely, perhaps using magnifying glasses. Comparing and contrasting familiar plants. Describing how they were able to identify and group them, and Drawing diagrams showing the parts of different plants including trees. Keeping records of how plants have changed over time, for example the leaves falling off trees and buds opening. Comparing and contrasting what they have found out about different plants. 	 by using their observations to: Compare and contrast animals at first hand or through videos and photographs. Describing how they identify and group them. Grouping animals according to what they eat. Using their senses. 	 by using their observations to: Compare and contrast animals (humans) at first hand or through videos and photographs. Using their senses to compare different textures, sounds and smells. 	 performing simple tests to explore questions, for example: -'What is the best material for an umbrella?for lining a dog basket?for curtains?for a bookshelf?for a gymnast's leotard?'
Year 1 on- going unit througho	Seasonal changes -Observe changes across the four seasons - Observe and describe weather associated wi the seasons and how day length variety		inter, weather, hot/ war	m, cool/ cold, sun/ sunny, cloud/ cloudy, wind/ windy, rain/ rainy ainbow, thunder, lightning, storm, light/ dark, day/ night



Our world of learning in Science - Year Two

	Year 2					
National Curriculum Objectives	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.	Animals Including Humans -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.	Living things and Habitats -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.	<u>Materials</u> -Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses -Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.		
Key Vocabulary	Water, light suitable temperature, grow, healthy, germination, reproduction	Offspring, grow Adults, nutrition Reproduce, survival Water, food, air Exercise, hygiene, egg-chick-chicken, egg-caterpillar-pupa-butterfly, spawn-tadpole-frog, lamb-sheep, baby-toddler-child-teenager-adult	Living, dead, never alive, habitats, micro-habitats, food, food chain, sun-grass-cow-human, alive, healthy, logs, leaf, litter, stony path, under bushes, Shelter, seashore, woodland, ocean, rainforest, conditions, hot/ warm/ cold, dry/ damp/ wet, bright/ shade/ dark	Water, light suitable temperature, grow, healthy, germination, reproduction		
Working Scientifically	 Observing and recording, with some accuracy, the growth of a variety of plants as they change over time from a seed or bulb, or Observing similar plants at different stages of growth; Setting up a comparative test to show that plants need light and water to stay healthy. 	 Observing, through video or first-hand observation and measurement, how different animals grow; Asking questions about what things animals need for survival suggesting ways to find answers to their questions. Observing, through video or first-hand observation and measurement, how humans grow. Recording their findings using charts. Asking questions about what things animals [humans]. need for survival and what humans need to stay healthy. Suggesting ways to find answers to their questions. 	 Sorting and classifying things as to whether they are living, dead or were never alive. Recording their findings using charts Describing how they decided where to place things, Exploring questions such as: 'Is a flame alive? Is a deciduous tree dead in winter?' Talking about ways of answering their questions. Constructing a simple food chain that includes humans (e.g. grass, cow, human); Describing the conditions in different habitats and micro-habitats (under log, on stony path, under bushes); Finding out how the conditions affect the number and type(s) of plants and animals that live there. 	 Comparing the uses of everyday materials in and around the school with materials found in other places (at home, the journey to school, on visits, and in stories, rhymes and songs); Observing closely, Identifying and classifying the uses of different materials, and Recording their observations. Thinking about unusual and creative uses for everyday materials. 		



Our world of learning in Science - Year Three

			Year 3		
National Curriculum Objectives	Light -Recognise that they need light in order to see things and that dark is the absence of light -Notice that light is reflected from surfaces -Recognise that light from the sun can be dangerous and that there are ways to protect their eyes -Recognise that shadows are formed when the light from a light source is blocked by an opaque object -Find patterns in the way that the size of shadows change.	Animals Including Humans -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.	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	Plants 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.	Forces and magnets -Compare how things move on different surfaces notice that some forces need contact between two objects, but magnetic 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.
Key Vocabulary	Light, see, dark, reflect, Reflective, surface, Natural, star, Sun, Moon, artificial, torch, Candle, lamp, translucent, transparent	Nutrition, vitamins, minerals, fat, pr Carbohydrates, fibre, Water, diet skeletons – support, protection skulls – brain ribs – heart, lungs joint muscles- movement, pull, contract relax	Rock, stone, pebble, Boulder, soil, fossil, Grains, crystals, hard/ soft, texture, absorb water, marble, chalk, granite, sandstone, slate, sandy soil, clay soil, chalky soil, peat	structure – flowering plants, roots, stem/ trunk, leaves, flowers function – nutrition, support, reproduction, makes own food requirements for life and growth – air, light, water, nutrients from the soil, room to grow, fertiliser life cycle - flowers pollination, seed formation, seed dispersal	Force, push, pull, open, surface, magnet, magnetic, attract, repel, magnetic poles, north, south, metal, iron, steel
Working Scientifically	Looking for patterns in what happens to shadows when the light source moves or the distance between the light source and the object changes.	Comparing and contrasting the diets of different animals (including their pets). Decide ways of grouping them according to what they eat. Researching different food groups and how they keep us healthy. Designing meals based on what they find out. Identifying and grouping animals with and without skeletons. Observing and comparing their movement. Exploring ideas about what would happen if humans did not have skeletons.	Observing rocks, including those used in buildings and gravestones. Exploring how and why they might have changed over time. Using a hand lens or microscope to help them. Identify and classify rocks according to whether they have grains or crystals, and whether they have fossils in them. Research and discuss the different kinds of living things whose fossils are found in sedimentary rock. Explore how fossils are formed. Explore different soils. Identify similarities and differences between them. Investigate what happens when rocks are rubbed together or what changes occur when they are in water. Raise and answer questions about the way soils are formed.	Comparing the effect of different factors on plant growth, for example the amount of light, the amount of fertiliser; Discovering how seeds are formed by Observing the different stages of plant cycles over a period of time; Looking for patterns in the structure of fruits that relate to how the seeds are dispersed. Observing how water is transported in plants, for example, by putting cut, white carnations into coloured water. Observing how water travels up the stem to the flowers.	Comparing how different things move and grouping them. Raising questions and carrying out tests to find out how far things move on different surfaces. Gathering and recording data to find answers to their questions. Exploring the strengths of different magnets and finding a fair way to compare them. Sorting materials into those that are magnetic and those that are not. Looking for patterns in the way that magnets behave in relation to each other and what might affect this, for example, the strength of the magnet or which pole faces another. Identifying how these properties make magnets useful in everyday items and suggesting creative uses for different magnets.

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Our world of learning in Science - Year Four

	Year 4							
	Electricity	Sound	States of matter	Living things and their	Teeth & Digestion –			
	-Identify common appliances that run	-Identify how sounds are made,	-Compare and group	<u>Habitats –</u>	-Describe the simple functions of the basic parts			
	on electricity	associating some of them with	materials together,	-Construct and interpret a	of the digestive system in humans			
		something vibrating	according to whether they	variety of food chains,				
es	-Construct a simple series electrical	-Recognise that vibrations from	are solids, liquids or	identifying producers,	-Identify the different types of teeth in humans			
tiv	circuit, identifying and naming its basic	sounds travel through a medium to	gases	predators and prey.	and their simple functions			
ec	parts, including cells, wires, bulbs,	the ear	-Observe that some	-Recognise that living				
į	switches and buzzers	-Find patterns between the pitch of a	materials change state	things can be grouped in				
0		sound and features of the object that	when they are heated or	a variety of ways				
Ē	-Identify whether or not a lamp will	produced it	cooled, and measure or	-Explore and use				
	light in a simple series circuit, based	-Find patterns between the volume	research the temperature	classification keys to help				
<u>.</u>	on whether or not the lamp is part of a	of a sound and the strength of the	at which this happens in	group, identify and name				
ır	complete loop with a battery	vibrations that produced it	degrees Celsius (°C)	a variety of living things in				
ບັ		-Recognise that sounds get fainter		their local and wider				
National Curriculum Objectives	-Recognise that a switch opens and	as the distance from the sound	-Identify the part played	environment				
u u	closes a circuit and associate this with	source increases.	by evaporation and	-Recognise that				
atic	whether or not a lamp lights in a		condensation in the water	environments can change				
Ň	simple series circuit		cycle and associate the	and that this can				
			rate of evaporation with	sometimes pose dangers				
	-Recognise some common conductors		temperature.	to living things.				
	and insulators, and associate metals							
	with being good conductors.		<u> </u>					
	Appliances, electricity	Sound, sound source, noise,	Solid, liquid, gas, air,	Environment,	human digestive system, mouth			
	electrical circuit,	vibrate, travel, solid, liquid, gas,	oxygen, powder, grain/	flowering	tongue-mixes, moistens, saliva			
	cell, wire, bulb, buzzer	pitch, tune, high, low, volume, loud, quiet, fainter, muffle,	granular, crystals, ice/	non-flowering, plants,	teeth: incisors- cutting, slicing			
	danger, electrical safety sign, insulators, wood, rubber,	vibrations, insulation,	water/ steam, water, vapour, heated/	animals, vertebrate danger,	canines- ripping, tearing			
	plastic, glass, conductors, metal,	Instrument, percussion,	heating, cooled/	invertebrates-	molars-chewing, grinding			
	water, switch, open, closed,	Strings, brass, woodwind, tuned,	cooling, temperature,	snails, slugs, worms,	oesophagus, transports, stomach, acid,			
	components	instrument	degrees Celsius, melt,	spiders, insects	enzymes, small intestine, large intestine			
L S	plug, motor, mains	instrument	Freeze, solidify, melting	vertebrates- fish,	enzymes, smail intestine, large intestine			
n	plug, motor, mains		point, molten, boil	amphibians, reptiles,				
Key Vocabulary				birds, mammals				
Ö				plants – flowering				
Š				plants, non-flowering				
S S				plants				
ž				population,				
				development, litter,				
8				deforestation,				
5				carnivore, herbivore,				
5				omnivore, brush,				
				floss, food chain,				
				Sun, producers, prey,				
				predators				
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Working Scientifically

Our world of learning in Science - Year Four

 Observing patterns, for example, that bulbs get brighter if more cells are added, that metals tend to be conductors of electricity, and that some materials can and some cannot be used to connect across a gap in a circuit. 	 Finding patterns in the sounds that are made by different objects such as saucepan lids of different sizes or elastic bands of different sizes or elastic bands of different thicknesses. They might make ear muffs from a variety of different materials to investigate which provides the best insulation against sound. They could make and play their own instruments by using what they have found out about pitch and volume. Additional suggestion from Lancashire for working scientifically opportunities which enhance learning and support using ICT across the curriculum This unit provides an ideal opportunity for using data logging equipment to detect/measure and compare sounds. 	 Grouping and classifying a variety of different materials. Exploring the effect of temperature on substances such as chocolate, butter, cream (for example, to make food such as chocolate crispy cakes and ice- cream for a party). Researching the temperature at which materials change state, for example, when iron melts or when oxygen condenses into a liquid. Observing and recording evaporation over a period of time, such as a puddle in the playground or washing on a line. Investigating the effect of temperature on washing drying or snowmen melting. Additional suggestion from Lancashire for working scientifically opportunities which enhance learning and support using ICT. This unit provides an ideal opportunity for using data logging equipment to detect/measure and compare temperatures. 	 Using and making simple guides or keys [sorting, grouping, comparing, classifying] to explore and identify local plants and animals. Making a guide [sorting, grouping, comparing, classifying] to local living things. Raising and answering questions based on their observations of animals. What they have found out about other animals that they have researched. 	 Comparing the teeth of carnivores and herbivores. Suggesting reasons for differences. Finding out what damages teeth and how to look after them. Drawing and discussing their ideas about the digestive system. Comparing them with models or images.



Our world of learning in Science - Year Five

	Year 5							
	Forces	Earth and Space	Materials – Properties	<u>Materials –</u>	Living things and their Habitats			
	-Explain that unsupported	-Describe the movement of	-Compare and group together	Reversible/Irreversible	-Describe the differences in the life cycles of a			
	objects fall towards the Earth	the Earth, and other	everyday materials on the basis of	<u>changes</u>	mammal, an amphibian, an insect and a bird			
	because of the force of gravity	planets, relative to the Sun	their properties, including their	-Demonstrate that				
	acting between the Earth and	in the solar system	hardness, Solubility,	dissolving, mixing and	-Describe the life process of reproduction in some			
	the falling object		transparency, conductivity	changes of state are	plants and animals.			
		-Describe the movement of	(electrical and thermal), and	reversible changes				
/es	-Identify the effects of air	the Moon relative to the	response to magnets		-Describe the changes as humans develop to old			
cti	resistance, water resistance	Earth		-Explain that some changes	age.			
Objectives	and friction, that act between	Describe the Curr Forth	-Know that some materials will	result in the formation of				
ð	moving surfaces	-Describe the Sun, Earth	dissolve in liquid to form a	new materials, and that this				
ε	-Recognise that some	and Moon as approximately spherical bodies	solution, and describe how to recover a substance from a	kind of change is not usually reversible, including				
nr	mechanisms, including levers,	spherical bodies	solution	changes associated with				
<u>ic</u>	pulleys and gears, allow a	-Use the idea of the Earth's	Solution	burning and the action of				
nr	smaller force to have a greater	rotation to explain day and	-Use knowledge of solids, liquids	acid on bicarbonate of soda.				
National Curriculum	effect.	night and the apparent	and gases to decide how mixtures					
na		movement of the sun	might be separated, including					
tio		across the sky.	through filtering, sieving and					
Na			evaporating					
-								
			-Give reasons, based on evidence					
			from comparative and fair tests,					
			for the particular uses of everyday					
			materials, including metals, wood					
			and plastic					
	Fall, gravity, force,	Earth, planets, Sun,	Properties, hardness,	Solid, liquid, gas, air,	Fall, gravity, force,			
	air resistance, water,	solar system, Moon,	solubility, transparency,	oxygen, powder, grain/	air resistance, water, resistance, friction, moving			
	resistance, friction,	celestial body,	conductive, response	granular, crystals, ice/	surfaces, mechanisms, levers, pulleys, gears,			
	moving surfaces,	sphere/ spherical,	to magnets, dissolve,	water/ steam, water	magnetic force, magnet, attract			
	mechanisms, levers,	rotate/ rotation, spin,	liquid, solution, solute,	vapour, heated/ heating,				
Vocabulary	pulleys, gears,	night and day,	separate, separating,	cooled/ cooling,				
n	magnetic force,	Mercury, Venus,	solids, liquids, gases,	temperature, degrees,				
ab	magnet, attract	Mars, Jupiter, Saturn,	filtering, sieving,	Celsius, melt, freeze,				
ğ		Uranus, Neptune,	evaporating, mixing,	solidify, melting point,				
$\left \right\rangle$		Pluto, 'dwarf', planet,	evaporation, filtering,	molten, reversible				
Key		orbit, revolve,	sieving, melting,	changes, irreversible,				
		geocentric model,	conductivity, insulation,					
		heliocentric model,	chemical, opaque,					
		shadow clocks,	translucent, rusting,					
S		sundials,	residue, condensing					
		astronomical clocks						



Our world of learning in Science - Year Five

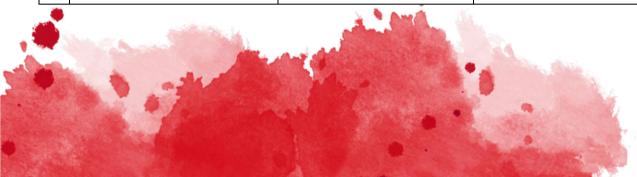
 Exploring falling paper cones or cup-cake cases. Designing and making [exploring] a variety of parachutes. Carrying out fair tests to determine which designs are the most effective. Exploring resistance in water by making and testing boats of different shapes. Design and make artefacts that use simple levers, pulleys, gears and/or springs and explore their effects. 	 Comparing the time of day at different places on the Earth through internet links and direct communication. Creating simple models of the solar system. Constructing simple shadow clocks and sundials, calibrated to show midday and the start and end of the school day. Finding out why some people think that structures such as Stonehenge might have been used as astronomical clocks. 	 Carry out tests to answer questions such as 'Which materials would be the most effective for making a warm jacket, for wrapping ice cream to stop it melting, or for making blackout curtains?' Compare materials in order to make a switch in a circuit. 	 Observing and comparing the changes that take place, for example, when burning different materials or baking bread or cakes. Researching and discussing how chemical changes have an impact on our lives, for example cooking. Discuss [research] the creative use of new materials such as polymers, super-sticky and super-thin materials. 	 Observing and comparing the life cycles of plants and animals in their local environment with other plants and animals around the world (in the rainforest, in the oceans, in desert areas and in prehistoric times). Asking pertinent questions. Suggesting reasons for similarities & differences. They might try to grow new plants from different parts of the parent plant, for example, seeds, stem and root cuttings, tubers, bulbs. Observe changes in an animal over a period of time (for example, by hatching and rearing chicks). Comparing how different animals reproduce and grow. Researching the gestation periods other animals and comparing them with humans. By finding out and recording the length and mass of a baby as it grows





Our world of learning in Science - Year Six

	Year 6							
National Curriculum Objectives	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 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.	Electricity -Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit -Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches -Use recognised symbols when representing a simple circuit in a diagram.	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.	Living things and their Habitats -Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals -Give reasons for classifying plants and animals based on specific characteristics.	Animals Including Humans -Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood -Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function -Describe the ways in which nutrients and water are transported within animals, including humans.			
Key Vocabulary	Light, travels, straight, reflect, reflection, light source, object, shadows, mirrors, periscope, rainbow, filters	Appliances, electrical circuit, complete circuit, circuit diagram, circuit symbol, components, cell, battery, positive/ negative, terminal, connection, loose connection, short circuit, wire, crocodile, clip, bulb, brightness, switch, buzzer, volume, motor, conductor, insulator, voltage, current, resistance, danger, series circuit	Evolution, suited/ suitable, adapted/ adaptation, offspring, characteristics, vary/ variation, inherit/ inheritance, fossils	Organism, micro-organism, fungus, mushrooms, classification keys, environment, fish, amphibians, reptiles, birds, mammals, vertebrates, invertebrates	circulatory system, heart, blood, blood vessels, pumps, oxygen, carbon dioxide, lungs, nutrients, water, diet, exercise, drugs, lifestyle			





Our world of learning in Science - Year Six

