SCIENCE PROGRESSION DOCUMENT

Belmore Primary Academy

Animals, electricity, forces, humans, light, materials, planet earth, plants, sound

	Science progression: Animals												
	EYFS	Year I – Ani- mals, including humans	Year 2 – An- imals, includ- ing humans	Year 2 – Living things and their habi- tats	Year 3 – Animals, including humans	Year 4 – Liv- ing things and their habitats	Year 4 – Animals, including humans	Year 5 – Liv- ing things and their habitats	Year 6 – Evolution and inher- itance	Year 6 – Animals, including humans	Year 6 – Liv- ing things and their habitats		
Skills:	Can talk about an- imals they have observed. Develop an under- standing of growth, decay and changes over time. Look closely at similarities, differ- ences, patterns and change. Make observations of animals and ex- plain why some things occur, and talk about changes. Show care and concern for living things and the en- vironment.	Identify and name a variety of common ani- mals including fish, amphibians, reptiles, birds and mammals. Identify and name a variety of common ani- mals that are carnivores, her- bivores and om- nivores. Describe and compare the structure of a variety of com- mon animals (fish, amphibi- ans, reptiles, birds and mam- mals including pets).	Notice that animals have offspring which grow into adults. Find out about and de- scribe the basic needs of animals for survival (wa- ter, food and air).	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 differ- ent habitats provide for the basic needs of dif- ferent kinds of animals and plants, and how they depend on each other. Identify and name a vari- ety of plants and animals in their habi- tats, includ- ing micro- habitats.	Identify that animals need the right types and amount of nutrition, and that they cannot make their own food; they get nu- trition from what they eat. Identify that some ani- mals have skeletons and muscles for support, protection and move- ment.	Recognise that living things can be grouped in a variety of ways. Explore and use classifica- tion keys to help group, identify and name a variety of living things in their local and wider en- vironment. Recognise that environments can change and that this can sometimes pose dangers to living things.	Construct and inter- pret a vari- ety of food chains, iden- tifying pro- ducers, predators and prey.	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 ani- mals.	Recognise that living things have changed over time and that fossils provide infor- mation about living things that inhabited the Earth mil- lions of years ago. Recognise that living things produce off- spring of the same kind, but normally off- spring vary and are not identical to their parents. Identify how animals are adapted to suit their envi- ronment in different ways and that adap- tation may lead to evolu- tion.	Describe the ways in which nutri- ents and water are transported within ani- mals.	Describe how living things are classified into broad groups according to common ob- servable charac- teristics and based on simi- larities and dif- ferences. Give reasons for classifying animals based on specific characteristics.		

				Describe how animals obtain their food from plants and other ani- mals, using the idea of a simple food chain, and identify and name differ- ent sources of food.						
Knowledge for future learning	Animals are living things that eat and grow. Animals share some characteris- tics with humans. Animals have dif- ferent homes.	Animals can be grouped based on characteris- tics. Different ani- mals eat differ- ent food. Fish live in wa- ter so have fins etc. Birds have wings etc. Mam- mals have hair etc. Reptiles have Amphib- ians have	Animals reproduce to make more of the same spe- cies. Animals need food, water and air to sur- vive.	A food chain uses arrows to show the flow of en- ergy. A food chain starts with a plant. Living things in a habitat depend on each other for food and shelter.	Animals get nutrients from food. Some ani- mals have skeletons and muscles for support, protection and move- ment.	Animals can be grouped due to observable features. Animals can be identified based on ob- servable fea- tures. Animals can be affected by changes in their environ- ment.	Plants pro- duce their own food so are called pro- ducers; ani- mals con- sume food so are called con- sumers. Some ani- mals eat other ani- mals and are called predators. Some ani- mals are eaten by other ani- mals and are called predators.	Animals reproduce to make more of the same species.	Animals change over time and some species be- come extinct. Offspring re- ceive genetic information from parents. The theory of natural selec- tion states that animals that are better adapted will survive. Animals have features that make them adapted to their environ- ment.	Animals are classified into broad groups based on their characteristics.

Key vocab- ulary for future learning	Grow, change, breathe, live, home, feed, change, head, hands, legs, teeth, arms, shoulders, face, knees, eyes, ears, mouth, nose, toes	Fish, amphibian, reptile, bird, mammal, head, neck, arms, el- bows, legs, knees, face, ears, eyes, hair, mouth, teeth, beak, wings, fins, gills, fur, feath- ers, scales, car- nivore, herbi- vore, omnivore	Offspring, re- production, growth, nutri- tion.	Habitat, mi- cro-habitat, food chain, needs, living, dead, alive	Nutrition, skeleton, muscle	Classify, classi- fication, verte- brate, inverte- brate, environ- ment, habitat, fish, amphib- ian, reptile, bird, mammal, human impact, litter, defor- estation	Food chain, producer, predator, prey	Life cycle, re- production, species, ferti- lise, life span	Offspring, ad- aptation, vari- ation, evolu- tion, extinc- tion	Nutrient	Characteristic, classify, varia- tion
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		Science progression: Electricity	
	Year 4 – Electricity	Year 5 – Properties and changes of materials	Year 6 – Electricity
Skills:	Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying	Compare and group together everyday materials on the basis of their properties, including their conductivity.	Associate the brightness of a lamp or the vol- ume of a buzzer with the number and voltage of cells used in the circuit.
	and naming its basic parts, including cells, wires, bulbs, switches and buzzers.	Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.	Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off
	Identify whether or not a lamp will light in a simple se- ries circuit, based on whether or not the lamp is part of a complete loop with a battery.		position of switches.
	Recognise that a switch opens and closes a circuit and		Use recognised symbols when representing a simple circuit in a diagram.
	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.		
Knowledge for future learning	A circuit must have a source of power (cells). A circuit must be complete for electricity to flow. A switch is used to open and close a circuit. Metals conduct elec- tricity. Plastic and wood do not conduct electricity.	Metals are used in circuits to conduct electricity. Plastic is used to insulate, e.g. wire covering.	Electricity flows through a circuit. The voltage in a circuit can be increased or decreased and this affects the brightness of a bulb and the loudness o f a buzzer.
Key vocab- ulary for future learning	Circuit, cell, wire, bulb, switch, buzzer, battery, switch, conductor, insulator, voltage	Conductivity, conductor, insulator	Circuit, cell, wire, bulb, switch, buzzer, battery, component, conductor, insulator, voltage, sym- bol

			Science progression: Forces		
	EYFS	Year 2- Uses of everyday ma- terials	Year 3- Forces and magnets	Year 5 - Forces	Year 5 – Earth and Space
Skills:	Know about similarities and differences in relation to objects and materials.	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	Compare how things move on differ- ent surfaces. Notice that some forces need contact between two objects, but magnetic	Explain that unsupported objects fall to- wards the Earth because of the force of gravity acting between the Earth and the falling object.	Describe the movement of the Earth, and other plan- ets, relative to the Sun in the solar system.
			forces can act at a distance. Observe how magnets attract or repel	Identify the effects of air resistance, wa- ter resistance and friction that act be- tween moving surfaces.	Describe the movement of the Moon relative to the Earth
			each other and attract some materials and not others.	Recognise that some mechanisms, includ- ing levers, pulleys and gears, allow a smaller force to have a greater effect.	
			Compare and group together a variety of everyday materials on the basis of whether they are attracted to a mag- net, and identify some magnetic mate- rials.		
			Describe magnets as having two poles. Predict whether two magnets will at- tract or repel each other, depending on which poles are facing.		
Knowledge	Some objects float while others sink.	Solids can change shape when they are squashed, bent,	A force is a push or pull.	A force is a push or pull.	The moon orbits the earth due to the earth's gravity.
for future learning		twisted or stretched.	Magnets have a north pole and a south pole.	A force has a direction which can be shown with arrows in a diagram.	The earth orbits the sun due to the sun's gravity.
			Magnets attract or repel each other and attract some materials and not others.	Gravity causes objects to be pulled to- wards very large objects such as the Earth.	The larger the object, the greater the force of grav- ity it exerts.

				Air resistance, water resistance and fric- tion slow down moving objects.	
Key vocab- ulary for future learning	Float, sink	Solid, material, squashing, bending, twisting, stretching	Force, push, pull, magnet, magnetic, at- tract, repel, pole, gravity, friction, re- sistance	Force, gravity, push, pull, air resistance, water resistance, friction, upthrust, new- tons, forcemeter, lever, pulley, gear, lever	Gravity, orbit, planet, star, satellite, solar system

			Scie	ence progressio	n: Humans			
	Year I — Animals in- cluding humans	Year 2 – Ani- mals including humans	Year 3 – Animals in- cluding humans	Year 4 – Ani- mals including humans	Year 5 – Animals in- cluding humans	Year 6 – Evo- lution and in- heritance	Year 6 – Animals in- cluding humans	Year 6 – Living things and their habitats
Skills:	Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Notice that hu- mans have off- spring which grow into adults. Find out about and describe the basic needs of humans, for survival (water, food and air). Describe the importance for humans of ex- ercise, eating the right amounts of dif- ferent types of food, and hy- giene.	Identify that humans need the right types and amount of nutri- tion, and that they can- not make their own food; they get nutrition from what they eat. Identify that humans have skeletons and muscles for support, protection and move- ment.	Describe the simple functions of the basic parts of the digestive system in hu- mans. Identify the dif- ferent types of teeth in humans and their simple functions.	Describe the changes as humans develop to old age.	Recognise that humans produce off- spring of the same kind, but normally offspring vary and are not identical to their parents.	Identify and name the main parts of the hu- man circulatory sys- tem, 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 humans.	Describe how living things are classified into broad groups according to common observ- able characteristics and based on similarities and differences. Give reasons for classifying animals based on specific characteristics.
Knowledge for future learning	The five senses are sight, smell, hearing, touch and taste. Eyes are for sight. Ears are for hearing. The tongue is for taste. The nose is for smell. Hands are for touch.	Humans are an- imals. Humans reproduce to make more of the same spe- cies. Babies grow up into adults. Humans need food, wa- ter and air to survive. Exer- cise, diet and hygiene affect health.	Humans have skeletons and muscles for sup- port, protection and movement. Air resistance, water resistance and friction slow down moving ob- jects.	Digestion is the breakdown of food. Food trav- els from the mouth through the oesophagus, stomach and in- testines.	Puberty is when changes take place in the transition from childhood to adult- hood.	Humans pro- duce off- spring of the same kind. Human off- spring re- ceive a mix- ture of ge- netic infor- mation from both of their parents so they are not	Diet, exercise and drugs affect human health.	Humans are classified as mammals as the female pro- duces milk for its young, the female gives birth to live young, they are warm- blooded, they have skin and hair.

						identical to either of their parents.		
Key vocab- ulary for future learning	Head, neck, arms, elbows, hands, legs, knees, feet, face, ears, eyes, nose, hair, mouth, teeth, tongue, sense, sight, hearing, taste, smell, touch	Offspring, re- production, growth, baby, toddler, child, teenager, adult, exercise, nutri- tion, diet, hy- giene, health, healthy, life cy- cle	Nutrition, skeleton, muscle, carbohydrates, proteins, fats, vitamins, minerals, fibre, water	Digestive sys- tem, mouth, oe- sophagus, stom- ach, intestine, tooth, incisor, canine, molar, premolar, wis- dom	Puberty, foetus	Offspring, foetus, ado- lescent, tod- dler, repro- duction, genes, ge- netic	Diet, exercise, drug, obesity	Classify, characteristics, mam- mal, warm-blooded

			<u>Sc</u>	cience progress	ion: Light		
	Year I – Eve- ryday materials	Year 2 – Plants	Year 3 – Light	Year 3 – Plants	Year 5 – Properties and changes of materials	Year 5 – Earth and space	Year 6 – Light
Skills:	Transparent ma- terials are see- through. Opaque materi- als are not see- through.	Find out and de- scribe how plants need light to grow and stay healthy.	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 a solid object. Find patterns in the way that the size of shadows change.	Explore the re- quirements of plants for life and growth (light).	Compare and group to- gether everyday materi- als on the basis of their properties, including transparency.	Use the idea of the Earth's ro- tation to explain day and night and the apparent movement of the sun across the sky.	Recognise that light appears to travel in straight lines. Use the idea that light travels in straight lines to explain that objects are seen, be- cause 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
Knowledge for future learning	Knowledge for future learning		Light travels from a light source: sun, fire, TV/computer screen etc. If a light source is not shining on an object, it is in darkness. Light reflects when it bounces off a surface. Light does not travel through an opaque object. A shadow is formed when the light from a light source is blocked by an opaque object. The location of the light source affects the size of the shadow.	In order to live and grow, plants need light from a source of light, which is usually the sun; if plants do not get light, they will not sur- vive.	Light travels through transparent materials so they do not block light.	Light travels from the sun to the Earth. Sunlight can be blocked by an object and this causes a shadow.	Light travels in straight lines. Light travels through space. Light reflects off surfaces. Light refracts when passing through raindrops to create a rainbow.

Key vocab- ulary for	Light, sunlight, dark	Shadow, light source, opaque, reflect	Light, sunlight	Shadow, light source, reflec- tion, refraction	
future learning					

				<u>Scie</u>	nce progress	ion: Materials			
	EYFS	Year I – Eve- ryday materi- als	Year 2 – Uses of everyday materials	Year 3 – Rocks	Year 3 – Forces and magnets	Year 4 – States of matter	Year 4 – Elec- tricity	Year 4 – Sound	Year 5 – Properties and changes of materials
Skills:	Notice detailed features of ob- jects in their environment. Talk about some of the natural and found objects they have ob- served. Know about similarities and differences in relation to ob- jects and mate- rials.	als Distinguish be- tween an object and the material from which it is made. Identify and name a variety of everyday ma- terials, including wood, plastic, glass, metal, wa- ter, and rock. Describe the simple physical properties of a variety of every- day materials. Compare and group together a variety of every- day materials on the basis of their simple physical proper- ties.	materialsIdentify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and card- board for particular uses.Find out how the shapes of solid objects made from some materials can be changed by squashing, bend- ing, twisting and stretching	Compare and group together dif- ferent kinds of rocks on the basis of their appear- ance and simple physi- cal proper- ties.	magnets Compare and group together a variety of everyday materials on the basis of whether they are at- tracted to a magnet, and identify some mag- netic mate- rials.	Compare and group materials to- gether, according to whether they are solids, liquids or gases. Observe that some materials change state when they are heated or cooled, and measure or re- search the temper- ature at which this happens in degrees Celsius (°C). Identify the part played by evapora- tion and condensa- tion in the water cycle and associate the rate of evapora- tion with tempera- ture.	Recognise some common con- ductors and in- sulators, and as- sociate metals with being good conductors.	Recognise that vi- brations from sounds travel through a me- dium to the ear.	Compare and group together every- day materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and re- sponse to magnets. Know that some materials will dis- solve in liquid to form a solution, and describe how to recover a sub- stance from a solution. Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through fil- tering, sieving and evaporating. Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday ma- terials, 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 usu-
									that this kind of change is not usu- ally reversible, including changes as- sociated with burning and the action of acid on bicarbonate of soda

Knowledge for future learning	Some objects are natural while some are not natural.	Objects are made from a va- riety of materi- als. Wood is from trees. Metal and rock come from the ground. Plastic and glass are manufactured. A property is how a material feels or looks.	Solids can change shape when they are squashed, bent, twisted or stretched. A ma- terial's proper- ties affect its uses.	Rock is a material. Different rocks have different properties.	Materials have the property of magnetism if they are at- tracted to a magnet.	The states of mat- ter are solids, liq- uids and gases. Par- ticles in a solid are close together. Par- ticles in a gas are further apart. Changes in states of matter are reversi- ble. Evaporation is the change from liquid to gas. Con- densation is the change from gas to liquid. When water vapour condenses to water, it can fall as precipitation. The water cycle is a continuous process.	Metals are used in electrical cir- cuits to conduct electricity. Plas- tic is an insula- tor so is used to cover wires in electrical cir- cuits.	Sound travels through materials – solids, liquids and gases. Soft materials muffle sound better.	Changes of state and dissolving are reversible changes.
Key vocab- ulary for future learning	Natural, plastic, fabric, wood, metal, hard, soft, rough, smooth, float, sink	Material, prop- erty, plastic, metal, wood, glass, stone, fab- ric, grain, cold, hard/soft, stretchy/stiff, shiny/dull, rough/smooth, bendy/not bendy, flexi- ble/rigid, water- proof/not wa- terproof, absor- bent/not absor- bent, opaque/ transparent	Solid, material, property, squashing, bend- ing, twisting, stretching	Rock, prop- erty, marble, chalk, lime- stone, slate, granite, sandstone, permeable, non-permea- ble	Magnetic, non-mag- netic, mag- netism, at- tract, repel	State of matter, solid, liquid, gas, evaporation, con- densation, precipi- tation, water cycle, degrees Celsius, re- versible, irreversi- ble, thermometer	Conduct, con- ductor, insulate, insulator	Sound wave, par- ticles	Transparency, conductivity, evapo- ration

Science progression: Planet Earth							
	EYFS	Year I – Seasonal changes	Year 3 – Rocks	Year 5 – Earth and space	Year 6 – Evolution and inheritance		
Skills:	Comment and ask questions about aspects of their familiar world such as the place where they live or the natural world. Talk about the features of their own immediate environ- ment and how environments might vary from one another. Show care and concern for living things and the environ- ment. Know about similarities and differences in relation to places.	Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies.	Compare and group together differ- ent 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.	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.	Recognise that living things have changed over time and that fossils provide infor- mation about living things that inhabited the Earth millions of years ago.		
Knowledge for future learning		There are four seasons with dis- tinct features. The weather changes depending on the season. The seasons occur in a yearly cy- cle in order: spring, summer, au- tumn, winter Hours of daylight are longer in summer and shorter in winter.	The Earth's crust is made of rocks. Fossils are formed when the remains of things that have lived are trapped ir rocks.	The Earth is billions of years old. Differ- ent seasons occur due to the orbit of the earth around the sun.	Layers of mud or sand harden into rock, preserving the remains of a plant or animal.		
Key vocab- ulary for future learning		Season, spring, summer, autumn, winter, daylight, day, night, weather	Rock, property, fossil, organic, igne- ous, metamorphic, sedimentary, mar- ble, chalk, limestone, slate, granite, sandstone, permeable, non- permea- ble	Gravity, orbit, revolve, spin, rotate, tilt, axis, planet, star, satellite, solar system, hemisphere, longitude	Sedimentary rock		

	Science progression: Plants								
	EYFS	Year I – Plants	Year 2 – Living things and their habitats	Year 2 – Plants	Year 3 – Plants	Year 4 – Living things and their habitats	Year 5 – Living things and their habitats	Year 6 – Evolu- tion and inher- itance	Year 6 – Living things and their habitats
Skills:	Comment and ask questions about aspects of their fa- miliar world such as the place where they live or the natural world. Talk about some of the plants they have observed. Develop an under- standing of growth, decay and changes over time. Look closely at similarities, differ- ences, patterns and change. Make observations of plants and ex- plain why some things occur, and talk about changes. Show care and concern for living things and the en- vironment.	Identify and name a variety of common wild and gar- den plants, in- cluding decid- uous and ev- ergreen trees. Identify and describe the basic struc- ture of a vari- ety of com- mon flowering plants, includ- ing trees.	Explore and com- pare the differences between things that are living, dead, and things that have never been alive. Identify that most liv- ing things live in habi- tats to which they are suited and de- scribe how different habitats provide for the basic needs of different kinds of ani- mals and plants, and how they depend on each other. Identify and name a variety of plants in their habitats, includ- ing micro -habitats. Describe how ani- mals obtain their food from plants and other animals, using the idea of a simple food chain, and iden- tify and name differ- ent sources of food.	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.	Identify and describe the functions of differ- ent parts of flowering plants: roots, stem/trunk, leaves and flowers. Explore the require- ments 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 trans- ported within plants. Explore the part that flowers play in the life cycle of flowering plants, including pollina- tion, seed formation and seed dispersal.	Recognise that living things can be grouped in a variety of ways. Explore and use clas- sification keys to help group, identify and name a variety of liv- ing things in their local and wider environ- ment. Recognise that envi- ronments can change and that this can sometimes pose dan- gers to plants.	Describe the life process of reproduc- tion in some plants.	Identify how plants are adapted to suit their envi- ronment in differ- ent ways and that adaptation may lead to evolution.	Describe how plants are classified into broad groups according to com- mon observable characteristics and based on similari- ties and differences. Give reasons for classifying plants based on specific characteristics.

Knowledge for future learning	Plants are alive. Plants grow. Plants die. Plants need care to survive.	Some plants flower and some do not. The roots are in the ground. The stem con- nects the roots to the leaves/flower. The flower has petals. Ev- ergreen trees keep their leaves throughout the year. De- ciduous trees lose their leaves.	Plants live in habitats that provide for their needs. Animals ob- tain food from plants or other animals. Food chains start with a plant. Name a variety of plants and their habi- tats.	Seeds grow into plants. Plants need water and light. Plants need a suita- ble tempera- ture.	Pollen fertilises an egg to make a seed; seeds are formed and then dispersed	Plants can be grouped due to observable fea- tures. Plants can be identified based on observable features. Plants can be affected by changes in their en- vironment.	Plants disperse seeds in a variety of ways (wind, animal, wa- ter, explo- sion).	Plants have fea- tures (such as leaves) that make them adapted to their environment. Living things evolve due to nat- ural selection.	Plants are classified into broad groups based on their characteristics.
Key vocab- ulary for future learning	Leaf, flower, petal, root, grow, seed	Leaf, flower, petal, root, fruit, bulb, seed, trunk, branch, stem, structure	Habitat, micro-habi- tat, food chain, needs, living, dead, alive	Seed, germi- nate, germi- nation, growth, re- production, stem, leaf, flower, root	Seed, pollination, seed formation, seed disper- sal, germination, growth, life cycle, nutri- ents	Classify, classification, environment, flower- ing plant, non-flower- ing plant, human im- pact, litter, deforesta- tion	Life cycle, re- production, fertilisation, pollination, seed disper- sal, stigma, stamen, fila- ment, anther, ovule, ovary sepal, asexual	Characteristic, feature, adapta- tion, evolution, in- heritance, natural selection	Characteristic, clas- sify, variation

Science progression: Sound							
	Year 4 - Sound	Year 6 - Electricity					
	Identify how sounds are made, associating some of them with something vibrating.	Associate the volume of a buzzer with the number and voltage of cells used in the circuit.					
Skills:	Recognise that vibrations from sounds travel through a medium to the ear.	Compare and give reasons for variations in how components function, including the loudness of buzzers.					
	Find patterns between the pitch of a sound and features of the object that produced it.						
	Find patterns between the volume of a sound and the strength of the vibrations that produced it.						
	Recognise that sounds get fainter as the distance from the sound source increases.						
	Sound travels from a source.						
Knowledge	Sound travels through materials.						
for future	Sounds are made from vibrations.						
learning	The stronger the vibrations, the louder the sound.						
	The closer the source of sound the louder the sound.						
Key vocab- ulary for future learning	Volume, source, vibration, pitch, molecules, frequency, sound waves, ear drum, audi- tory canal, auditory nerve, cochlea, outer ear						