

	Year 1		
	<ul> <li>Observe changes across the four seasons</li> <li>Observe and describe weather associated with the seasons and how day length varies</li> <li>Time lapse videos</li> <li>Time lapse videos</li> <li>Time lapse videos</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties</li> </ul>	<ul> <li>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>Identify and describe the basic structure of a variety of common flowering plants, including trees</li> <li>Identify and describe the basic structure of a variety of common animals that are carnivores, herbivores and omnivores</li> <li>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</li> <li>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense</li> </ul>	
Working Scien	ntifically		
Asking	Ask simple questions and recognise that they can be answered in different wa	/ays	
Questions			
Measuring	Observe closely, using simple equipment		
and	Perform simple tests		
Recording	Gather and record data to help in answering questions		
Concluding	Identify and classify		



	Use their observations and ideas to suggest answers to questions	
Evaluating		
Topics		
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	
Including	Identify and name a variety of common animals that are carnivores, herbivores and omnivores	
Humans	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	
Seasonal	Observe changes across the four seasons	
Change	Observe and describe weather associated with the seasons and how day length varies	
Everyday	Distinguish between an object and the material from which it is made	
Materials	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	
Continuous P	rovision	
What is the v	veather like today?	
Seasonal Changes- Autumn walk, Winter walk, Spring walk, Summer walk		
Introduce seasonality		
Curiosity cube		



compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for bending, the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretchingdescribe how seeds and bulbs grow into adscribe how seeds and bulbs grow into mature plants everydayincluding humans, have offspring which grow into adultsdifference betwee that are living, de thing that have r been alive(Importance for humans of exercise, eating the made from some materials can be changed by squashing, bending, twisting and stretching• Find out how the shapes of solid objects• Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching( Builty of a stretching( Builty of a stretching( stretching( Stretching( Stretching( Stretching( Stretching( Stretching( Stretching( Stretching( Stretching( Stretching( Stretching(<			Year 2	
Asking Ask simple questions and recognise that they can be answered in different ways		compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular usesdescribe h seeds and grow into mature play describe h plants nee water, ligh a suitable cardboard for brid out how the shapes of solid objects made from some materials can be changeddescribe h seeds and grow into mature play the shapes of solid objects made from some materials can be changed	ow       including humans, have         oulbs       offspring which grow         into adults       Find out about and         ints       Find out about and         ind       describe the basic         ow       needs of animals,         including humans, for       survival (water, food         and air)       Describe the         re to       T         tay       T	<ul> <li>Identify that most living things live in habitats to which they are suited and describe how different habitats provide the basic needs of different kinds of animals and plants, and how they depend on each other</li> <li>Identify and name a variety of plants and animals in their habitats, including micro-habitats</li> <li>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</li> </ul>
	-	Ask simple questions and recognise that they can be ans	vered in different ways	
Measuring and RecordingObserve closely, using simple equipmentGather and record data to help in answering questions	and	Perform simple tests		



Concluding	Identify and classify				
	Use their observations and ideas to suggest answers to questions				
Evaluating					
Topics					
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,	Notice that animals, including humans, have offspring which grow into adults				
Including	Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)				
Humans	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene				
Living Things	Explore and compare the difference between things that are living, dead, and things that have never been alive				
and Their	Identify that most living things live in habitats to which they are suited and describe how different habitats provide the basic needs of different				
Habitats 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 micro-habitats				
	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				
Uses of	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for				
Everyday	particular uses				
Materials	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching				
Continuous Pr	ovision				
What is the w	eather like today?				
Growth diary f	for plants				
Seasons					
Talking about	the effects of exercise on the body				
Hygiene (wash	hands, cleaning teeth)				
Curiosity cube					



		Year 3	
<ul> <li>Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat</li> <li>Identify that humans and some other animals have skeletons and muscles for support, protection and movement</li> </ul>	<ul> <li>Compare how things move on different surfaces notice that some forces need contact between two objects, but magnetic forces can act at a distance</li> <li>Observe how magnets attract or repel each other and attract some materials and not others</li> <li>Compare and group together a variety of everyday materials on the basis on whether they are attracted to a magnet, and identify some magnetic materials</li> <li>Describe magnets as having two poles</li> <li>Predict whether two magnets will attract or repel each other, depending on which poles are facing</li> </ul>	(build Signature ( (build Signature ( ) Explore the requirement s of plants for life and group together different kinds of rocks on light, water, nutrients from soil, and room to grow) and how they vary from plant to plant to plant to plant is is supplant . • 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 . • Equation ( • 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 within rock . • Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed dispersal . • Compare and group together different kinds of rocks and organic matter . • Compare and group together different kinds of rocks on their appearance and simple physical properties . • Explore the part that flowers play in the life cycle of flowering plants, including and seed dispersal . • Compare and group together different kinds of rocks and organic matter . • Compare and group together different kinds of rocks and organic matter . • Compare and group together different kinds organic matter . • Compare and group together different kinds organic matter . • Compare and group together different kinds organic matter . • Compare and group together different kinds organic matter . • Compare and group together different kinds organic matter . • Compare and group together different kinds organic matter . • Compare and group together different kinds organic	<ul> <li>Recognise that they need light in order to see things and that the dark is the absence of light</li> <li>Notice that light is reflected from surfaces</li> <li>Recognise that light from the sun can be dangerous and that there are ways to protect their eyes</li> <li>Recognise that shadows are formed when the light from a light source is blocked by a solid object</li> <li>Find patterns in the way that the size of shadows changes</li> </ul>



Working Scie	ntifically		
Asking	Ask relevant questions and use different types of scientific enquiries to answer them		
Questions	Set up simple practical enquiries, comparative and fair tests		
Measuring	Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment,		
and	including thermometers and data loggers		
Recording	Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables		
	Gather, record, classify and present data in a variety of ways to help in answering questions		
Concluding	Identify differences, similarities or changes related to simple scientific ideas and processes		
	Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions		
	Use straightforward scientific evidence to answer questions or to support their findings		
Evaluating	Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions		
Topics			
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		
Animals,	Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get		
Including	nutrition from what they eat		
Humans	Identify that humans and some other animals have skeletons and muscles for support, protection and movement		
Light	Recognise that they need light in order to see things and that the 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 changes		
Forces and	Compare how things move on different surfaces notice that some forces need contact between two objects, but magnetic forces can act at a		
Magnets	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 on whether they are attracted to a magnet, and identify some magnetic materials		
	Describe magnets as having two poles Bredict whether two magnets will attract or repel each other, depending on which poles are facing		
	Predict whether two magnets will attract or repel each other, depending on which poles are facing		



Rocks	cks 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		
Continuou	Continuous Provision		
What is the weather like today?			
Plant diaries			
Measuring shadows			
Nutrition- talk about what we eat for breakfast, lunch, healthy choice etc			
Curiosity c	Curiosity cube		



		Year 3/4	
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 en Identify that humans and som other animals has skeletons and muscles for support, protecti and movementDescribe the simp functions of the basic parts of the digestive system humans (Y4)Identify the different types of teeth in humans and their simple functions (Y4)Construct and interpret a variet of food chains, identifying producers, predators and pro (Y4)	Compare how things move on different surfaces notice that some forces need contact between two objects, but magnetic forces can act at a distanceObserve how magnets attract or repel each other and attract some materials and not othersCompare and group together a variety of everyday materials on the basis on whether they are attracted to a magnet, and identify some magnetic materialsDescribe magnets as having two polesPredict whether two magnets will attract or repel each other, depending on which poles are facing	Compare and group materials together, according to whether they are solids, liquids or gasesIdentify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowersObserve 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)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(Touto of the played by evaporation and condensation in the water cycle and associate the rate of evaporation(C and some the result of the played by evaporation and condensation in the water cycle and associate the rate of evaporation(C and some the temperature(Touto of the payed by evaporation with temperature(C and associate the rate of evaporation with temperature(C and associate the rate of evaporation the water solution the water solution the water solution the temperature(C and 	<ul> <li>together different kinds of rocks on the basis of their appearance and simple physical properties</li> <li>Describe in simple terms how fossils are formed when things that have lived are trapped within rock</li> <li>Recognise that soils are made from rocks and organic matter</li> <li>Identify common appliances that run on electricity</li> <li>Identify common appliances that run on electricity</li> <li>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</li> <li>Identify whether or not ta lamp lights in a simple series circuit, based on whether or not at lamp will light in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit and associate this with whether or not a lamp lights in a simple series circuit (Y4)</li> <li>Recognise that sounds get fainter as the distance from</li> </ul>



Working Scien	tifically		
Asking	Ask relevant questions and use different types of scientific enquiries to answer them		
Questions	Set up simple practical enquiries, comparative and fair tests		
Measuring	Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment,		
and	including thermometers and data loggers		
Recording	Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables		
	Gather, record, classify and present data in a variety of ways to help in answering questions		
Concluding	Identify differences, similarities or changes related to simple scientific ideas and processes		
	Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions		
	Use straightforward scientific evidence to answer questions or to support their findings		
Evaluating	Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions		
Topics			
Plants (Y3)	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		
Living Things	Recognise that living things can be grouped in a variety of ways		
and Their	Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment		
Habitats (Y4)	Recognise that environments can change and that this can sometimes pose dangers to living things		
Animals,	Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get		
Including	nutrition from what they eat (Y3)		
Humans	Identify that humans and some other animals have skeletons and muscles for support, protection and movement (Y3)		
	Describe the simple functions of the basic parts of the digestive system in humans (Y4)		
	Identify the different types of teeth in humans and their simple functions (Y4)		
	Construct and interpret a variety of food chains, identifying producers, predators and prey (Y4)		
Light (Y3)	Recognise that they need light in order to see things and that the 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 changes		



Forces and	Compare how things move on different surfaces notice that some forces need contact between two objects, but magnetic forces can act at a		
Magnets (Y3)	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 on 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		
Rocks (Y3)	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		
States of	Compare and group materials together, according to whether they are solids, liquids or gases		
Matter (Y4)	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		
Sound (Y4)	Identify how sounds are made, associating some of them with something vibrating		
	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		
	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		
Electricity	Identify common appliances that run on electricity		
(Y4)	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		
Continuous Pr	ovision		
What is the we	eather like today?		
Plant diaries			
Measuring sha	dows		
Nutrition- talk	about what we eat for breakfast, lunch, healthy choice etc		
Dental hygiene	e- links with school nurse		
Curiosity cube			

NB: Every term (Autumn 1, Spring 2, Summer 2), the 10 Year 3 children will have the opp rest of the Year 3 children while the Year 4 children learn the content relevant to them



		Year 4/5	
Describe the simple functions of the basic parts of the digestive system in humans (Y4)Identify the different types of teeth in humans and their simple functions (Y4)Construct and interpret a variety of food chains, identifying producers, predators and prey (Y4)Describe the changes as humans develop to old age (Y5)	Describe the movement of the Earth, and other planets, relative to the SunDescribe the movement of the Moon relative to the EarthDescribe the Sun, Earth and Moon as approximately spherical bodiesUse the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the skyExplain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling objectIdentify the effects of air resistance, water resistance and friction, that act between moving surfacesallow a smaller force to have a greater effect	of the Earth, and other planets, relative to the sum ans sound ans sound ans sound ans sound ans sound ans sound ans sound and sound sound sound and sound s	grouped waysappliances that run on electricityare made, associating some of them with something vibratinge e e series electrical circuit, identifying and naming its basic parts, including riety of cells, wires, bulbs, theirRecognise that vibrations from sounds travel through a medium to the earY4)Identify whether or not a lamp will light in a simple series circuit, based on whether or at thisFind patterns between the pitch of a sound and features of the object that produced itre Y4)Identify whether or not a lamp will light in a simple series circuit, based on whether or at thisFind patterns between the volume of a sound and features of the object that produced itre the life mmal, an rd (Y5)Recognise that a switch opens and closes a circuit and associate this with whether or an not a lamp lights in a rd (Y5)Recognise some common conductors and insulators, andRecognise that sound source increases



Working Scien	tifically		
Asking	Ask relevant questions and use different types of scientific enquiries to answer them		
Questions	Set up simple practical enquiries, comparative and fair tests		
Measuring	Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment,		
and	including thermometers and data loggers		
Recording	Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables		
	Gather, record, classify and present data in a variety of ways to help in answering questions		
Concluding	Identify differences, similarities or changes related to simple scientific ideas and processes		
	Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions		
	Use straightforward scientific evidence to answer questions or to support their findings		
Evaluating	Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions		
Topics			
Living Things	Recognise that living things can be grouped in a variety of ways (Y4)		
and Their	Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment (Y4)		
Habitats	Recognise that environments can change and that this can sometimes pose dangers to living things (Y4)		
	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird (Y5)		
	Describe the life process of reproduction in some plants and animals (Y5)		
Animals,	Describe the simple functions of the basic parts of the digestive system in humans (Y4)		
Including	Identify the different types of teeth in humans and their simple functions (Y4)		
Humans	Construct and interpret a variety of food chains, identifying producers, predators and prey (Y4)		
	Describe the changes as humans develop to old age (Y5)		
Electricity	Identify common appliances that run on electricity		
(Y4)	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		
States of	Compare and group materials together, according to whether they are solids, liquids or gases		
Matter (Y4)	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		
Sound (Y4)	Identify how sounds are made, associating some of them with something vibrating		
· · ·	Recognise that vibrations from sounds travel through a medium to the ear		



	Find waterway between the witch of a cound and features of the abient that was dueed in								
	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								
Earth and	Describe the movement of the Earth, and other planets, relative to the Sun								
Space (Y5)	75) 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								
Forces (Y5)	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								
Continuous Pr	ovision								
What is the w	eather like today?								
Shadows									
Night and day									
Changes in hu	mans, e.g. height								
Curiosity cube									

NB: Year 5 children in the Year 4/5 class will have some Science lessons in the Summer Term with the rest of the Year 5 children to learn about Properties and Changes of Materials.





Measuring	Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate										
and	Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs										
Recording											
Concluding	Identify scientific evidence that has been used to support or refute ideas or arguments										
	Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral										
	and written forms such as displays and other presentations										
Evaluating	Use test results to make predictions to set up further comparative and fair tests										
Topics											
Living Things	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird										
and Their	Describe the life process of reproduction in some plants and animals										
Habitats											
Animals,	Describe the changes as humans develop to old age										
Including											
Humans											
Earth and	Describe the movement of the Earth, and other planets, relative to the Sun										
Space	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										
Forces	Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object										
	Identify the effects of air resistance, water resistance and friction, that act between moving surfaces										
	Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect										
Properties	Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity										
and Changes	(electrical and thermal), and response to magnets										
of Materials	Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution										
	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										
Continuous Pr											
	eather like today?										
Length of day											
Changes huma	ins, e.g. growth										



Curiosity cube



								Year	6						
	Animals Including Humans (Autumn 1)	•	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	Electricity (Autumn 2)	•	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	Living Things and Their Habitats (Spring)	•	Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro- organisms, plants and animals Give reasons for classifying plants and animals based on specific characteristics	Light (Summer 1)	•	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	Evolution and Inheritance (Summer 2)	•	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
Working Scien Asking	1		ent types of scier	ntific (	enquirie	es to answer qu	uestic	ons, incl	uding recognising	g and	control	ling variables whe	re ne	cessary	/
Questions															



Measuring	Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate								
and	Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs								
Recording									
Concluding	Identify scientific evidence that has been used to support or refute ideas or arguments								
	Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral								
	and written forms such as displays and other presentations								
Evaluating	Use test results to make predictions to set up further comparative and fair tests								
Topics									
Living Things	Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and								
and Their	differences, including micro-organisms, plants and animals								
Habitats	Give reasons for classifying plants and animals based on specific characteristics								
Animals,	Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood								
Including	Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function								
Humans	Describe the ways in which nutrients and water are transported within animals, including humans								
Evolution	Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of								
and	years ago								
Inheritance	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								
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								
Continuous Pro	ovision								
What is the we	ather like today?								
Characteristics	of different plants, e.g. cacti, bonsai, house plants (flowering and non-flowering)								
Puberty talk									
Curiosity cube									