



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Me and My	Once Upon a	Starry Night	Dangerous	Sunshine and	Big Wide
Topic	Community	Time	Driver:	Dinosaurs	Sunflowers	World
			Understanding the	Driver:	Driver:	Driver:
			world	Understanding the	Understanding the	Understanding the
-				world	world	world
Reception Mini	Exploring	Sparkle and	Winter	Puddles and	Shadows and	Splash!
project	Autumn	Shine	Wonderland	Rainbows	Reflections	Driver:
		Driver:	Driver:	Driver:	Driver:	Understanding the
		Understanding the	Understanding the	Understanding the	Understanding the	world
		world	world	world	world	
Understanding	Our reception	Celebrations linked	Explore the	Children learn about	Provides	Children learn about
the world	community including	to autumn and	differences in the	the different animals	opportunities for	the global
	family, school and	winter seasons	world at night, the	that roamed Earth	outdoor learning and	community to which
	local and how we are	including the	importance of a good	millions of years ago	teaches children how	they belong and
	unique and special. Explore the natural	importance of light at this time of year	night sleep, and help them to discover	and how they are related to animals	to care for plants and animals in the local	explore how living things, communities
	changes that happen	this time of year	what happens in the	that live on Earth	environment and	and climates differ
	during the season of		world while they	today.	how to stay safe in	around the world.
	autumn, including		sleep including	, Children learn about	the sun.	Children learn about
	how the weather		learning about	the weather that	Children learn about	water, including
	changes, why trees		nocturnal animals.	happens during	natural phenomena	floating and sinking,
	lose their leaves and		Learn about the	spring and allows	including shadows,	freezing and melting
	how wild animals		changes that happen	them to explore	reflections, and	and why it is
	prepare for winter.		during the winter,	natural phenomena	echoes. Explore how	important for living
			including the	including rainbows	shadows are formed	things to stay
			weather associated with winter. Explore	and supports them to explore colour in the	and how they can	hydrated.
			places that have	natural world.	change	
			snow all year round			
			and the animals that			
			live there.			
Year 1	Childhoo	d History	Bright Ligh	its, Big City	Schoo	l Days





Science Unit	Everyday	Humans	Seasona	l changes	Plants	Animals
	Materials	i i u i i u i i u i u i u i u i u i u i			i lanto	,
Key Science Learning	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.	Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Observe and describe weather associated with the seasons and how day length varies. Observe changes across the four seasons. Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.		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.	Identify and name a variety of common animals that are carnivores, herbivores and omnivores. Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).
Year 2	Movers ar	nd Shakers	Coastline		Magnificent Monarchs	
Science Unit	Humans	Habitats	Uses of	Plants	Anir	mals
			Everyday			
			Materials			
Key Science Learning	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. Notice that animals, including humans, have	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. Explore and	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	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.	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. Notice that animals, including humans, have offspring which grow into adults. Identify and name a variety of plants and animals in their habitats, including microhabitats. Find out about and describe	





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	offspring which grow into adults.	compare the differences between things that are living, dead, and things that have never been alive. Identify and name a variety of plants and animals in their habitats, including microhabitats. 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	shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	Identify and name a variety of plants and animals in their habitats, including microhabitats.	the basic needs of anin for survival (wat	nals, including humans, er, food and air).
		other				
Year 3	Through	the Ages	Rocks, Relics	and Rumbles	Emperors a	ind Empires
Science Unit	Animals	Rocks and Soils	Forces and	d Magnets	Plants	Light
	including					
	humans					
Key Science	Identify that animals,	Compare and group	Compare how thing	s move on different	Identify and describe	Recognise that they
-	including humans,	together different		at some forces need	the functions of	need light in order to
Learning	need the right types	kinds of rocks on the	contact between 2 objects, but magnetic		different parts of	see things and that
	and amount of	basis of their		stance. Observe how	flowering plants:	dark is the absence of
	nutrition, and that	appearance and		epel each other and	roots, stem/trunk,	light. Notice that light
	they cannot make	simple physical		ials and not others.	leaves and flowers.	is reflected from
	their own food; they get nutrition from	properties. Describe in simple terms how	Compare and group together a variety of everyday materials on the basis of whether		Explore the requirements of	surfaces recognise that light from the
	Bernathannonnonn	in simple terms now	everyday materials of	The basis of whether	requirements of	that light i off the





	what they eat. Identify that humans and some other animals have skeletons and muscles for support, protection and movement.	fossils are formed when things that have lived are trapped within rock. Recognise that soils are made from rocks and organic matter.	they are attracted to a magnet, and identify some magnetic materials. Describe magnets as having 2 poles predict whether 2 magnets will attract or repel each other, depending on which poles are facing.		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.	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.
Year 4	Inva	sion	Misty Mountair	sty Mountain, Winding River Ancient Ci		vilisations
Science Unit	Animals including humans	Sound	States of Matter	Living Things and Their Habitats	Electricity	
Key Science Learning	Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey.	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	Compare and group materials together, according to whether they are solids, liquids or gases. 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	Recognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Recognise that environments can change and that this can sometimes pose	Identify common appliances that run on electricity. Construct a simple series electrica 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.	





	and the strength of the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.	played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	dangers to living things.	
Dynamic	Dynasties	Sew, Gro	ow, Farm	Ground- breaking Greeks
Forces	Earth and	Animals inclue	ding Humans /	Properties and Changing
	Space	Living Things an	d their Habitats	Materials
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.	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.	mammal, an amphibia Describe the life proc some plants and ar	n, an insect and a bird. ess of reproduction in nimals. Describe the	Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. 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.
Ma	afa	Frozen K	ingdoms	Britain at War
	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.	Ithe vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.Dynamic DynastiesForcesEarth and SpaceExplain that unsupported objects fall towards the Earth of gravity acting between the Earth and the falling object.Describe the movement of the salt in the solar system. Describe the movement of the sourd source increases.Identify the effects of air resistance and friction, that act between moving surfaces. Recognise that some that some that some that some that some and the apparent movement of the surfaces. Recognise that some that some that some the lady and night and the apparent movement of the sun surfaces the sun surfaces. Recognise that some that some that some that some that some the dea of the the idea of the the idea of the tearth's rotation to explain day and night and the apparent movement of the sun and the apparent and the apparent surfaces the sky.	the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.Dynamic DynastiesSew, GroForcesEarth and SpaceAnimals includ Living Things an Describe the movement of the planets relative to of gravity acting between the Earth and the falling object.Describe the movement of the system. Describe the movement of the Earth and other planets relative to the sun in the solar system. Describe the sound relative to the Earth. Describe the song relative to the Earth. Describe the some plants and ar changes as humans spherical bodies. Use the idea of the and the apparent movement of the sun as approximately spherical bodies. Use the idea of the and the apparent movement of the sun and the apparent movement of the sun and the apparent movement of the sun and the apparent movement of the sun across the sky.evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.including levers, pulleys and gears allow a smaller force to have a greater effect.movement of the sun across the sky.evaporation and condensation in the sund condensation in the sund condensation in the sund condensation in the sund condensation in the sund the apparent movement of the sun across the sky.	the vibrations that produced it. Recognise that sounds get fainter as the distance from the sound source increases.evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.things.Dynamic DynastiesSew, Grow, FarmDynamic DynastiesSew, Grow, FarmForcesEarth and sounds the Earth planets relative to the soun in the solar system. Describe the movement of the air 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 effet.Describe the sun the solar spaceDescribe the movement of the Earth and other planets relative to the sun in the solar system. Describe the and the falling object. air resistance and friction, that act between movingLiving Things and their Habitats Describe the the differences of reproduction in some plants and animals. Describe the changes as humans develop to old age.unsupported object. friction, that act between movingsun, Earth and moon as approximately spherical bodies. Use the dia of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.Describe the sund the apparent movement of the sun across the sky.allow a smaller force to have a greater effect.movement of the sun across the sky.movement of the sun across the sky.





Science Unit	Living Things	Animals	Electricity	Light	Evolution and
	and their	including			Inheritance
	Habitats	Humans			
Key Science Learning	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.	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.	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.	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.	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.

Ancient