Year	1
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Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Me and my Body (Healthy Eating)	Everyday materials	Weather	Animals including humans	Plants	Planets
	Health, differences, keeping fit, eating healthily	Identify toys/objects and what they are made from	Identify hot and cold places Observe and know about the	Know the names of a variety of animals including fish, amphibians, reptiles, birds	Know and name a variety of local and exotic plants	Identify up to 5 different planets
es	Name the parts of the human	Know the difference between materials eg. Wood, plastic,	changes in the seasons Name the seasons and know	and mammals	Name parts of a plant Know the difference between	Know we live on earth and know what the sun and
Science	body that we can see Link the correct parts of the	glass, metal, rock Properties of everyday	about the type of weather in each season	Classify animals by what they eat	fruit and vegetables	moon are and how they give us day and night
	human body to each sense	materials		Sort animals into categories	Identify some fruit and vegetables that grow in hot	
		Grouping and sorting materials		Sort living and non-living	and cold countries	
				things	Plant tomatoes	

Year	2
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Identify properties of material and uses, including wood, metal, plastic, glass, brick, rock, paper and cardboardHealth – balanced diet, the benefits of exercise and hygienehabitats(African wildlife) Name plants and animals that are specific to Africa Match living things to their habitat e.g. forest, grasslands/desert Animal life cycles (Penguins & Chimps)Observe and desc seeds and bulbs g mature plantsEveryday day materials uses of materials Identify materials in buildings Know why a material might be used for a specific job – eg to keep me warm Know how to bend and shape materials and how they changeEveryday day materials in buildings that are living, dead, and things that have never been aliveIdentify that most living things live in habitats toFind out and descr plants need water, suitable temperatu and stay healthy	Μ	Materials	Healthy Humans	Living things and their	Animals including humans	Plants
plastic, glass, brick, rock, paper and cardboardbenefits of exercise and hygieneName plants and animals that are specific to Africa Match living things to their habitat e.g. forest, grasslands/desert Animal life cycles (Penguins & Chimps)seeds and bulbs g mature plantsVorking Scientifically - Investigating materials, carrying out simple testsbenefits of exercise and hygieneExplore and compare the differences between things that are living, dead, and things that have never been aliveName plants and animals that are specific to Africa Match living things to their habitat e.g. forest, grasslands/desert Animal life cycles (Penguins & Chimps)Find out and descr plants need water, suitable temperatu and stay healthy					5	
Begggggggggggggggggggggggggggggggggggg	Id pla W sin Id Kr ke Kr Kr ke Kr	dentify properties of material and uses, including wood, metal, blastic, glass, brick, rock, paper and cardboard Working Scientifically - Investigating materials, carrying out simple tests Everyday day materials uses of materials dentify materials in buildings Know why a material might be used for a specific job – eg to keep me warm Know how to bend and shape materials and how they change Know how some materials change shape by squashing,	Health – balanced diet, the benefits of exercise 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 	 (African wildlife) Name plants and animals that are specific to Africa Match living things to their habitat e.g. forest, grasslands/desert Animal life cycles (Penguins & Chimps) 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 	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

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	Rocks and soils	Forces and Magnets	Animals including humans	Light and dark	Plants
Science	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.	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.	(Healthy eating) 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.	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	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 including humans Mouths	Electricity	States of matter	Living things and their habitats	Sound
Science	Construct and interpret a variety of food chains, identifying producers, predators and prey 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	Identify common appliances that run on electricity. Construct a simple series electrical circuit. Identify common appliances that run on electricity. Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery. Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. Recognise some common conductors and insulators, and associate metals with being good conductors.	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 the temperature at which this happens in degrees Celsius (°C), building on their teaching in mathematics. Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	Can learning about classifying living things helped us to appreciate our differences? Recognise that living things can be grouped in a variety of ways Explore and use classification keys to help group, identify and names a variety of living things in their local & wider environment Recognise that environments can change and that this can sometimes pose dangers to living things	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

Understand that force and motion can be transferred Lifestyle and our body Compare and group toge	
 through mechanical devices such as gears, pulleys, levers and springs. Understand that some mechanisms including levers, pulleys and gears, allow a smaller force to have a greater effect. Explain that unsupported objects fall towards the earth because of gravity Identify the effects of air resistance, water resistance and friction, that act between moving surfaces Detween moving surfaces Recognise the importance of diet, exercise, drugs and lifestyle on the way the humans develop to old age Understand that some materials will dissolve in liquid to form a solution a describe how to recover substance from a solution a solution a solution. Use knowledge of solids liquids and gases to dechow mixtures might be separated, including three filtering, sieving and evaporation. Give reasons, based on evidence from comparat and fair tests, for the particular uses of everyd materials, including methading methads. Demonstrate that dissolve mixing and changes of sare reversible changes. 	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. Generation

Science

Science

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Light		Living things and their habitats	Evolution and inheritance	Animals including humans	Electricity
To understand light and seei	ng.	(Classification)		Identify and name the main	Know the number of voltage of cells in a circuit links to the brightness of a lamp or a
Understand that light appears in straight lines.	s to travel	Know that living things can be grouped in a variety of ways.	(Physical Changes) Recognise that living things have changed	parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood	volume of a buzzer Compare and give reasons why components work and do not work in a circuit
Use the idea that light travels lines to explain that objects a	are seen	Know how Linnaean system of classification works.	over time and that fossils provide information about living	Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function	Draw circuit diagrams using correct symbols
because they give out or reflet the eyes.	ect light into	Know how to identify the characteristics of different types of animals.	things that inhabited the Earth millions of years ago.	Describe the ways in which nutrients and water are	Make a buggy move using electricity.
Use the idea that light travels lines to explain why shadows same shape as the objects th them, and to predict the size shadows when the position o source changes.	s have the nat cast of the	Know how to identify the features of class carefully	Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.	transported within animals, including humans	
Explain that we see things be travels from light sources to o from light sources to objects our eyes To understand electrical circu	our eyes or and then to		Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may		
Associate the brightness of a the volume of a buzzer with t and voltage of cells used in the target of targe	l lamp or he number		lead to evolution.		
Compare and give reasons for variations in how components including the brightness of bu- loudness of buzzers and the position of switches.	s function, ulbs, the				
Use recognised symbols whe representing a simple circuit diagram.					