Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	 cooking) describe what they understand the effective Plants (Linked to season explore the natural describe what they Animals including huma make observations know about some for Living things and their h know some similarities been read in class Materials (weather link, 	world around them see, hear and feel outside ns – Focus in Autumn Term (of animals factors that support their over abitats - Focus in Autumn Te ities and differences betwee junk-yard modelling with re mportant processes and cha	on the natural world around (We all went on safari by Lau erall physical health and wel erm (We all went on safari by n the natural world around the ecycled materials)	them urie Krebs) Ibeing y Laurie Krebs) them and contrasting e	nvironments, drawing on e	experiences and what has

Yr 1	Animals including humans identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense	Uses of everyday materials distinguish between an object and the material from which it is made identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock describe the simple physical properties of a variety of everyday materials compare and group together a variety of everyday materials on the basis of their simple physical properties	Animals including humans identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals identify and name a variety of common animals that are carnivores, herbivores and omnivores describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)	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	Seasonal change observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies	African science identify and name a variety of common animals including fish, amphibians, reptiles birds and mammals describe and compare the observable features of a variety of common animals including pets, from a range of groups. identify and describe the basic structure of a variety plants
Yr 2	Earth and Space describe the Sun, Earth and Moon as approximately spherical bodies know the order of the plants from the Sun 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 use the idea of the Earth's rotation to explain day and	Animals including humans find out about and describe the basic needs of animals, including humans, for survival (water, food and air), by identifying the ways that different animals meet their basic needs describe animals and their offspring describe the importance of exercise, eating the right amounts of different types of food, and hygiene	Properties and uses of everyday materials identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching	Living Things 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	Plants observe and describe how seed plants find out and describe how plant suitable temperature to grow a describe how different plants h	ats need water, light and a and stay healthy

	night and the apparent movement of the sun across the sky recognise that light from the sun can be dangerous and that there are ways to protect their eyes			habitats, including microhabitats describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food		
Yr 3	of their appearance and simple	ossils are formed when things that ock	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	Light recognise that light is needed in order to see things and that dark is the absence of light classify materials, understanding the terms transparent, translucent and opaque notice that light is reflected from surfaces 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	Animals including humans identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat identify that humans and some other animals have skeletons and muscles for support, protection and movement	Forces and magnets compare how things move on different surfaces notice that some forces need contact between two objects, but magnetic forces can act at a distance observe how magnets attract or repel each other and attract some materials and not others compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials describe magnets as having two poles and predict whether two magnets will attract or repel each other, depending on which poles are facing
Yr 4	Living things and their habitats recognise that living things can be grouped in a variety of ways explore and use classification keys to help group, identify and name a	States of Matter compare and group materials toge are solids, liquids or gases explain the properties of solids, liq fixed shape, liquids take the shape to fill a container)	uid and gases (e.g. solids have a	Sound identify how sounds are made, associating some of them with something vibrating recognise that vibrations from sounds travel through a medium to the ear	Animals including humans describe the simple functions of the basic parts of the digestive system in humans	Electricity 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

	variety of living things in their local and wider environment recognise that environments can change and that this can sometimes pose dangers to living things	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		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	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 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 some common conductors and insulators, and associate metals with being good conductors recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
Yr 5	their properties, including their electrical conductivity and respo investigate the thermal conduct know that some materials will d solution, and describe how to re	eryday materials on the basis of hardness, solubility, transparency, onse to magnets ivity of materials lissolve in liquid to form a ecover a substance from a solution and gases to decide how mixtures trough filtering, sieving and e from comparative and valid everyday materials, including xing and changes of state are It in the formation of new	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	Earth and Space describe the heliocentric model of the solar system, developed by Copernicus and Kepler explain the movement of the Moon relative to the Earth and how this causes the phases of the Moon describe the two ways in which the Earth moves in space and their effects	Animals including humans describe the changes as humans develop to old age	Living things and their habitats 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 plants and animals
Yr 6	Electricity associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit	STEM Forces -recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect	Animals including humans identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood	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	Evolution and Inheritance recognise that living things have changed over time and that fossils provide information about living	Living Things and their Habitats describe how living things are classified into broad groups according to common observable characteristics and based on similarities and

	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	Electricity -apply knowledge and understanding of circuits, switches, conductors and insulators in the design of the final product.	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	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 investigate and explain the effects of refraction use knowledge of reflection and refraction to explain how we see colours	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	differences, including micro- organisms, plants and animals give reasons for classifying plants and animals based on specific characteristics
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Science	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Yr 1	Animals including humans (dinosaurs)	Uses of everyday materials	Animals including humans	Plants	Seasonal change	African science
Yr 2	Earth and Space	Animals including humans – exercise and diet	Properties and uses of everyday materials	Living Things	Plants	
Yr 3	Rocks and Soils		Plants	Light	Animals including human	Forces and magnets
Yr 4	Living things and their habitats States of Matter		<u> </u>	Sound	Animals including humans	Electricity
Yr 5	Properties and changes of materials		Forces	Earth and Space	Animals including humans	Living things and their habitats
Yr 6	Electricity	STEM	Animals including humans	Light	Evolution and Inheritance	Living Things and their Habitats