

Area	Communication and	Personal, Social and	Understanding the World
	Language	Emotional Development	
Reception	Learn new vocabulary. Ask questions to find out more and to check what has been said to them. Articulate their ideas and thoughts in wellformed sentences. Describe events in some detail. Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen. Use new vocabulary in different contexts. Make comments about what they have heard and ask questions to clarify their understanding.	Know and talk about the different factors that support their overall health and wellbeing:	Explore the natural world around them. Describe what they see, hear and feel while they are outside. Recognise some environments that are different to the one in which they live. Understand the effect of changing seasons on the natural world around them. Explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.
			Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.



Term	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2
Topic	Animals including humans	Identify and name a variety of common animals	Materials	Plants	Seasonal Change	Scientists and inventors
Year I	including fish, amphibian mammals	iety of common animals bivores and omnivores the structure of a nals (fish, amphibians, mals, including pets) and label the basic parts say which part of the	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	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	Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies	Focus on Equity, Diversity and Inclusion (referencing protected characteristics). Overview to follow.



Term	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2
Topic	Living things and their habitats		Animals including humans	Plants	Materials	Scientists and inventors
Year 2	Explore and compare the things that are living, deshave never been alive. Identify that most living to which they are suited different habitats provide of different kinds of anishow they depend on ear animals in their habitats habitats. Describe how animals of plants and other animal simple food chain, and in different sources of food	things live in habitats d and describe how le for the basic needs mals and plants, and ch other lety of plants and including micro-obtain their food from s, using the idea of a dentify and name	Understand that animals, including humans, have offspring which grow into adults 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 types of food, and hygiene	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 compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses Describe how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching	Focus on Equity, Diversity and Inclusion (referencing protected characteristics). Overview to follow.



Term	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2
Topic	Animals including humans	Forces	Rocks	Plants	Light	Scientists and inventors
Year 3	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 Identity that humans and some other animals have skeletons and muscles for support protection and movement	Compare how things move on different surfaces Notice that some forces need contact between two objects, but magnetic forces can act at a distance 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 other depending on which poles are facing	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	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	Recognise that he/she needs 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 eyes Find patterns in the way that the size of shadows change	Focus on Equity, Diversity and Inclusion (referencing protected characteristics). Overview to follow.



Term	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2
Topic	Sound	Electricity	States of matter	Animals including humans	Living things and their habitats	Scientists and inventors
Year 4	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	Identify common appliances that run on electricity Construct a simple series electrical circuit identifying and naming it basic parts including cells wires bulbs switches and buzzes. Identify whether or not a lamp will light in a simple series circui9t 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 Recognise common conductors and insulators and associate metals with 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 or research the temperature at which this happens in degrees Celsius. Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature	Describe the simple function 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 cah9ind identifying producers predators and prey	Recognise that living things can be grouped in a variety of ways Explore and use classification keys pot 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 post dangers and have an impact on living things	Focus on Equity, Diversity and Inclusion (referencing protected characteristics). Overview to follow.



Term	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2
Topic	Forces	Earth and space	Living things and habitats	Animals including humans	Properties and changes of materials	Scientists and inventors
Year 5	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 difference 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	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	Describe the difference 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	Describe the changes as humans develop to old age	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 Recognise 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	Focus on Equity, Diversity and Inclusion (referencing protected characteristics). Overview to follow.



Term	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2
Торіс	Animals including humans	Light	Evolution and inheritance	Living things and their habitats	Electricity	Scientists and inventors
Year 6	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	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 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 my lead to evolution	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	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	Focus on Equity, Diversity and Inclusion (referencing protected characteristics). Overview to follow.