



	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6		
Nursery/ Reception	 ELG: <u>The Natural World</u> 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. Continuous Provision: plants in outside area, sand, water, role play kitchen inside/outside, season display, wooden blocks. 							
Year 1	Seasonal Changes Observe changes across the four season. Observe and describe the weather associated with the seasons and know how the day length varies. Animals Animals Materials Plants Plants							
	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	Animals – Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. Identify and name a range of common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals including pets.	Distinguish between an object and the material it is made from. 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 base4d on 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 variet of common flowering plan including trees		
Year 2	Materials Investigate and compare the suitability of a variety f everyday materials including wood, glass, metal, plastic, brick, rock and paper. Find out how the shapes of some materials can be changed	Animals including Humans Notice that animals including humans have offspring which grow into adults. Fins out about and describe the basic needs of animals including humans to survive. Describe the importance to human of exercise, eating the right amount of different types of food and hygiene.		Plants Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and suitable temperatures to grow and stay healthy	Materials Revisit and build on knowledge from term 1.	Living things and their habitats Explore and compare the difference between thing that are living, dead and have never been alive. Notice that most living things live in habits which are suited to them. Identif and name a variety of animals and plants in thei habitats. Describe how animals obtain their food from plants and other animals		
Year 3	Sound Identify how sounds are made, associating some of them with something vibrating, recognise that vibrations from sounds travel through a medium to	Rocks and Soil Compare and group together different kinds of rocks based on their appearance and simple physical properties. Describe in simple terms how fossils	Forces Compare how things move on different surfaces. Notice that some forces need contact between two objects.	Magnets Know that magnetic forces can act at a distance. Observe how magnets attract or repel each other and attract some materials but not others. Compare	Plants Identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers. explain the requirement of plants for growth and life.	Animals Identify that animals, including human, need th right types of and amount nutrition and that they cannot make their own foo Identify that human anc		





Year 4	the ear. Find patterns between the pitch of sound and features of the object that produced it. Recognise that sounds get fainter the further yiu are from the source. Light Recognise that we need light in order to see things and that dark is the absence of light Recognise that light from the sun can be dangerous and that there are ways to protect the eyes. Recognise that shadows are formed when light is blocked by an opaque object. Find patterns in the way that the size of shadows change. Recognise that light appears to travel in straight lines	are formed when things that have lived are trapped within rocks. Recognise that soils are made from rocks and organic matter.	States if Matter 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 temperatures at which this happens. Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.	and group together a variety of everyday materials on the basis of whether they are attracted to a magnet. Describe magnets as having 2 poles. Predict whether 2 magnets will attract or repel each other based on which poles are facing each other. Human anatomy Describe the simple function of the basic parts of the digestive system in humans. Identify the different types of teeth in human and their simple functions.	(air, water, nutrients and room to grow) and how they vary from plant to plant. Investigate the way in which water is transported through plants. Explain the part that flowers play in the life cycle of a plant. Animals Construct and interpret variety of food chains, identifying producers, predators and prey. Recognise that environments can change and that this can sometimes pose dangers t living things,	some other animals have skeleton sand muscles for support, protection and movement. Humans Recognise that living things can be grouped in a variety of ways. Explore and use classification keys to help group and name a variety of living thing in their local and wider environment.
Year 5	Forces and gravity Explain that unsupported object fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effect o 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 impact.	Earth and Space Observe the movements 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 roughly 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.	Know that some materials w solution and describe how to solution. Use knowledge of decide how mixtures might be filtering, sieving and evap dissolving, mixing and char changes. Explain that some ch	0 0	Living things . Recognise that living things produce offspring but that normally offspring are not identical to their parent. Describe the process of reproduction in some plants	Humans Describe the differences in the life cycles of a mammal, amphibian, insect and bird. Describe the changes as humans develop to old age.





Year 6	Electricity	Light	Diet and lifestyle habits	Evolution and inheritance	Classification of living things
Tear 0	Associate the brightness of a	Use the idea that light	Identify and name the main parts of the human circulatory	Describe in simple terms	Describe how living things
	bulb or the volume of a	travels in straight lines to	system and describe the function of the heart, blood vessels	how fossils are formed	are classified into broad
	buzzer with the number and	explain that objects are	and blood. Recognise the impact of diet, exercise, drugs and	where things that have lived	groups according to
	voltage of cells used in the	seem because they give out	lifestyle on the way their bodies functio9n. Describe the	are trapped in rocks.	common observable
	circuit. Compare and give	or reflect light into the eye.	ways in which nutrients are transported within animals	Recognise that living things	characteristics and based on
	reasons for variations in how	Explain that we see things	including humans.	have changed over time and	similarities and differences,
	components function,	because light travels from	-	that fossils contain	including micro-organisms,
	including the brightness of	light source to our eyes or		information about the past.	plants and animals. Give
	bulbs, the loudness of	from light sources to objects		Identify how animals and	reasons for classifying plants
	buzzers an the on/off	and then to your eyes. Use		plants are adapted to their	and animals based on
	position of a switch. Use	the idea that light travels in		environment in different	specific characteristics.
	recognised symbols when	straight lines to explain why		ways and that adaptations	-
	representing a simple circuit	shadows have the same		may lead to evolution.	Reproduction Describe the
	in a diagram.	shape as the objects that			life process of reproduction
	5	cast them.			in some animals.