

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Living Things and their Habitats		<p><b>Explore</b> and <b>compare</b> the differences between things that are living, dead, and things that have never been alive</p> <p><b>Identify</b> that most living things live in habitats to which they are suited and <b>describe</b> how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other</p> <p><b>Identify</b> and <b>name</b> a variety of plants and animals in their habitats, including micro-habitats</p> <p><b>Describe</b> how animals obtain their food from plants and other animals, using the idea of a simple food chain, and <b>identify</b> and <b>name</b> different sources of food.</p>		<p><b>Recognise</b> that living things can be grouped in a variety of ways</p> <p><b>Explore</b> and <b>use</b> classification keys to help <b>group, identify</b> and <b>name</b> a variety of living things in their local and wider environment</p> <p><b>Recognise</b> that environments can change and that this can sometimes pose dangers to living things</p>	<p><b>Describe</b> the differences in the life cycles of a mammal, an amphibian, an insect and a bird</p> <p><b>Describe</b> the life process of reproduction in some plants and animal</p>	<p><b>Describe</b> 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</p> <p><b>Give reasons</b> for classifying plants and animals based on specific characteristics</p>
Plants	<p><b>Identify</b> and <b>name</b> a variety of common wild and garden plants, including deciduous and evergreen trees</p> <p><b>Identify</b> and describe the basic structure of a variety of common flowering plants, including trees.</p>	<p><b>Observe</b> and <b>describe</b> how seeds and bulbs grow into mature plants</p> <p><b>Find out</b> and <b>describe</b> how plants need water, light and a suitable temperature to grow and stay healthy.</p>	<p><b>Identify</b> and <b>describe</b> the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers</p> <p><b>Explore</b> 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</p> <p><b>Investigate</b> the way in which water is transported within plants</p> <p><b>Explore</b> the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal</p>			
Animals including humans	<p><b>Identify</b> and <b>name</b> a variety of common animals including fish, amphibians, reptiles, birds and mammals</p> <p><b>Identify</b> and <b>name</b> a variety of common animals that are carnivores, herbivores and omnivores</p> <p><b>Describe</b> and <b>compare</b> the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</p> <p><b>Identify, name, draw</b> and <b>label</b> the basic parts of the human body and say which part of the body is associated with each sense.</p>	<p><b>Notice</b> that animals, including humans, have offspring which grow into adults</p> <p><b>find out</b> about and <b>describe</b> the basic needs of animals, including humans, for survival (water, food and air)</p> <p><b>Describe</b> the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p>	<p><b>Identify</b> 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</p> <p><b>Identify</b> that humans and some other animals have skeletons and muscles for support, protection and movement</p>	<p><b>Describe</b> the simple functions of the basic parts of the digestive system in humans</p> <p><b>Identify</b> the different types of teeth in humans and their simple functions</p> <p><b>Construct</b> and <b>interpret</b> a variety of food chains, identifying producers, predators and prey</p>	<p><b>Describe</b> the changes as humans develop to old age.</p>	<p><b>Identify</b> and <b>name</b> the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</p> <p><b>Recognise</b> the impact of diet, exercise, drugs and lifestyle on the way their bodies function</p> <p><b>Describe</b> the ways in which nutrients and water are transported within animals, including humans</p>

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Evolution and Inheritance						<p><b>Recognise</b> that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</p> <p><b>Recognise</b> that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents</p> <p><b>Identify</b> how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution</p>
Light			<p><b>Recognise</b> that they need light in order to see things and that dark is the absence of light</p> <p><b>Notice</b> that light is reflected from surfaces</p> <p><b>Recognise</b> that light from the sun can be dangerous and that there are ways to protect their eyes</p> <p><b>Recognise</b> that shadows are formed when the light from a light source is blocked by a solid object</p> <p><b>Find patterns</b> in the way that the size of shadows change</p>			<p><b>Recognise</b> that light appears to travel in straight lines</p> <p><b>Use</b> the idea that light travels in straight lines to <b>explain</b> that objects are seen because they give out or reflect light into the eye</p> <p><b>Explain</b> that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes</p> <p><b>Use</b> the idea that light travels in straight lines to <b>explain</b> why shadows have the same shape as the objects that cast them</p>
Sound				<p><b>Identify</b> how sounds are made, associating some of them with something vibrating</p> <p><b>Recognise</b> that vibrations from sounds travel through a medium to the ear</p> <p><b>Find patterns</b> between the pitch of a sound and features of the object that produced it</p> <p><b>Find patterns</b> between the volume of a sound and the strength of the vibrations that produced it</p> <p><b>Recognise</b> that sounds get fainter as the distance from the sound source increases</p>		
Electricity				<p><b>Identify</b> common appliances that run on electricity</p> <p><b>Construct</b> a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</p> <p><b>Identify</b> 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</p> <p><b>Recognise</b> that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit</p> <p><b>Recognise</b> some common conductors and insulators, and associate metals with being good conductors</p>		<p><b>Associate</b> the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</p> <p><b>Compare</b> and <b>give reasons</b> for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches</p> <p><b>Use</b> recognised symbols when representing a simple circuit in a diagram</p>

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Materials	<p><b>Distinguish</b> between an object and the material from which it is made</p> <p><b>Identify</b> and <b>name</b> a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</p> <p><b>Describe</b> the simple physical properties of a variety of everyday materials</p> <p><b>Compare</b> and <b>group</b> together a variety of everyday materials on the basis of their simple physical properties.</p>	<p><b>Identify</b> and <b>compare</b> the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</p> <p><b>Find out</b> how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>		<p><b>Compare</b> and <b>group</b> materials together, according to whether they are solids, liquids or gases</p> <p><b>Observe</b> 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)</p> <p><b>Identify</b> the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature</p>	<p><b>Compare</b> and <b>group together</b> everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets</p> <p><b>Know</b> that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</p> <p><b>Use knowledge</b> of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</p> <p><b>Give reasons</b>, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</p> <p><b>Demonstrate</b> that dissolving, mixing and changes of state are reversible changes</p> <p><b>Explain</b> 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</p>	
Earth and Space					<p><b>Describe</b> the movement of the Earth and other planets relative to the sun in the solar system</p> <p><b>Describe</b> the movement of the moon relative to the Earth</p> <p><b>Describe</b> the sun, Earth and moon as approximately spherical bodies</p> <p><b>Use</b> the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky</p>	
Forces			<p><b>Compare</b> how things move on different surfaces</p> <p><b>Notice</b> that some forces need contact between 2 objects, but magnetic forces can act at a distance</p> <p><b>Observe</b> how magnets attract or repel each other and attract some materials and not others</p> <p><b>Compare</b> and <b>group together</b> a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials</p> <p><b>Describe</b> magnets as having 2 poles</p> <p><b>Predict</b> whether 2 magnets will attract or repel each other, depending on which poles are facing</p>		<p><b>Explain</b> that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p><b>Identify</b> the effects of air resistance, water resistance and friction, that act between moving surfaces</p> <p><b>Recognise</b> that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect</p>	

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Rocks and Soil			<p><b>Compare</b> and <b>group together</b> different kinds of rocks on the basis of their appearance and simple physical properties</p> <p><b>Describe</b> in simple terms how fossils are formed when things that have lived are trapped within rock</p> <p><b>Recognise</b> that soils are made from rocks and organic matter</p>			
Seasons	<p><b>Observe</b> changes across the four seasons</p> <p><b>Observe</b> and describe weather associated with the seasons and how day length varies.</p>					