

For the curriculum content & planning please see the Curriculum Overviews (Yearly & Half Termly)

	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
A1		<b>All About Me</b> <ul style="list-style-type: none"> <li>I can name my body parts.</li> <li>I can name the features of my face.</li> <li>I can name and describe the five senses.</li> <li>I can talk about the weather.</li> <li>I can name the four seasons.</li> <li>I can describe changes that occur during the four seasons.</li> </ul>	<b>The Human Body</b> <ul style="list-style-type: none"> <li>I know that our bodies have five senses.</li> <li>I know that we use our eyes to see.</li> <li>I know that sounds travel through our ears to send messages to our brain.</li> <li>I know that our senses help us to understand the world around us.</li> <li>I understand that some people have problems with their senses, such as blindness or deafness.</li> <li>I know my senses help me to be aware of the world around me.</li> </ul>	<b>The Human Body</b> <ul style="list-style-type: none"> <li>I know Animals, including humans, need air, food and water to survive.</li> <li>I know that our skeleton and our muscles help us to move.</li> <li>I understand that our bodies digest our food.</li> <li>I know that our heart pumps blood around our body.</li> <li>I understand that scientists have found ways to keep us healthy.</li> <li>I can collect data to answer this question: Is (insert class name) a healthy class?</li> </ul>	<b>The Human Body</b> <ul style="list-style-type: none"> <li>I know that we can control our voluntary muscles, but we do not control our involuntary muscles.</li> <li>I know our bones help us to move and protect some parts of our bodies.</li> <li>I know that the brain is the centre of the nervous system.</li> <li>I understand how the brain and mouth start the digestive process.</li> <li>I can describe the simple functions of the basic parts of the digestive system in humans.</li> <li>I am able to describe one of the many systems in our body.</li> </ul>	<b>The Human Body</b> <ul style="list-style-type: none"> <li>I know cells are the building blocks of the human body and we need nutrition to keep our bodies working as they should.</li> <li>I can identify the different types of teeth in humans and their simple functions.</li> <li>I know how food is digested and excreted</li> <li>I know a healthy diet keeps our bodies healthy.</li> <li>I understand the essential vitamins and minerals needed in our body.</li> <li>I can design a balanced meal or explain digestion.</li> </ul>	<b>The Human Body</b> <ul style="list-style-type: none"> <li>I know the stages of human growth.</li> <li>I know that the human body changes as it goes through puberty.</li> <li>I can identify physical and mental changes to the human body that happen from adulthood to old age.</li> <li>I know that humans reproduce.</li> <li>I know what the endocrine system is and the role of some of the glands in the body.</li> <li>I can show my understanding of the human reproductive and endocrine system and their role in human development.</li> </ul>	<b>The Huma Body</b> <ul style="list-style-type: none"> <li>I understand that the heart is formed of two sets of chambers.</li> <li>I understand that blood vessels transport blood around the body</li> <li>I understand that blood is made up of different components</li> <li>I understand how the heart rate can speed up or slow down, depending on what the body is doing</li> <li>I know there are many things that can be varied and changed in an experiment, we call the things we can change variables.</li> <li>I understand that the blood circulates throughout the body, gaining oxygen in the lungs and that it is the heart that pumps the blood around</li> </ul>
A2		<b>Dinosaurs</b> <ul style="list-style-type: none"> <li>I know what a dinosaur is.</li> <li>I can describe a carnivore and herbivore.</li> <li>I can name the three Mesozoic periods: Triassic, Jurassic, Cretaceous.</li> <li>I know what fossils are.</li> <li>I can identify and talk about different types of dinosaurs (Tyrannosaurs Rex,</li> </ul>	<b>Animals and their Needs</b> <ul style="list-style-type: none"> <li>I can I can name and describe a variety of animals.</li> <li>I can understand that we can group animals according to their features.</li> <li>I can explain how animals can be grouped according to what they eat.</li> <li>I can describe the needs of a pet.</li> </ul>	<b>Living Things and their Environments</b> <ul style="list-style-type: none"> <li>I can explain that a habitat is the name given to a place where plants or animals live.</li> <li>I can describe that rainforest habitats are home to many different animals and plants.</li> <li>I can describe a meadow habitat.</li> <li>I can name and describe animals who live in underground</li> </ul>	<b>Cycles in Nature</b> <ul style="list-style-type: none"> <li>I can explain the seasonal cycle.</li> <li>I know how the seasonal change effects deciduous and evergreen trees.</li> <li>I can explain the life cycle of caterpillars and butterflies.</li> <li>I can explain the life cycle of frogs.</li> <li>I can explain the life cycle of plants.</li> <li>I know that the Earth orbits the Sun and that</li> </ul>	<b>Classification of Plants and Animals</b> <ul style="list-style-type: none"> <li>I understand how we classify animals.</li> <li>I understand how to classify vertebrates.</li> <li>I know and can recall the key features of fish.</li> <li>I know and can recall the key features of amphibians.</li> <li>I know and can recall the key features of birds.</li> </ul>	<b>Materials</b> Properties- solubility, conductivity, flexibility etc, fair testing, solubility, separation of mixtures, reversible changes dissolving, mixing, change of state.	<b>Classification of Living Things</b> <ul style="list-style-type: none"> <li>I know the two main kingdoms are plants and animals.</li> <li>I can identify the similarities between plant and animal cells.</li> <li>I can identify the differences between plant and animal cells.</li> <li>I can identify the five kingdoms.</li> </ul>

		Stegosaurus, Triceratops, Pterosaur).	<ul style="list-style-type: none"> <li>I can describe an animal using scientific words.</li> <li>I can compare and describe a variety of animals.</li> </ul>	habitats. <ul style="list-style-type: none"> <li>I can explain that desert habitats are very dry.</li> <li>I can explain that a food chain describes ‘who eats what’ within a habitat.</li> </ul>	this impacts migration patterns.	<ul style="list-style-type: none"> <li>I know and can recall the key features of mammals.</li> <li>I know that humans can have an impact on animals and their habitats.</li> </ul>		<ul style="list-style-type: none"> <li>I can explain Latin names for plants and animals were derived.</li> </ul>
	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Sp1	<b>Space</b> <ul style="list-style-type: none"> <li>I know that we live on planet Earth.</li> <li>I can name the 8 planets in our solar system.</li> <li>I know that the 8 planets orbit the sun.</li> <li>I understand what day and night is.</li> <li>I can talk about Astronauts.</li> </ul>	<b>Transport</b> <ul style="list-style-type: none"> <li>I know what floating and sinking is.</li> <li>I can investigate objects that float and sink.</li> </ul>	<b>Seasons and Weather</b> <ul style="list-style-type: none"> <li>I can name and describe the four seasons.</li> <li>I can explain that tools are used to gather information about the weather.</li> <li>I can present data using a graph.</li> <li>I can understand that there are different types of cloud.</li> <li>I can understand that weather forecasts help people to prepare for different kinds of weather.</li> <li>I can understand that certain types of weather can be dangerous.</li> <li>Assessment – I can identify and describe seasons and weather</li> </ul>	<b>Electricity</b> <ul style="list-style-type: none"> <li>I can identify things that use electricity.</li> <li>I can understand how electricity is useful, but can be dangerous.</li> <li>I can construct an electrical circuit.</li> <li>I can explain what I know about electricity.</li> <li>I can identify materials that conduct electricity.</li> <li>Assessment: I can explain what I know about electricity.</li> </ul>	<b>Light</b> <p>The speed of light, shadows, transparent and opaque objects, reflection, mirrors: plane, concave, convex, the human eye.</p>	<b>Ecology</b> <ul style="list-style-type: none"> <li>I can explain what an ecosystem is.</li> <li>I can understand how a change in the balance of nature can affect the ecosystem.</li> <li>I can explain the natural cycle.</li> <li>I know how ecosystems can be affected by changes in environment and by man-made changes.</li> <li>I know about fossils and how they can tell us about the environment long ago.</li> <li>I know the different man-made threats to the environment.</li> <li>I know the different measures we can take to protect the environment.</li> </ul>	<b>Living Things</b> <p>Life cycles of a mammal, an amphibian, an insect and a bird, life process of reproduction in some plants and animals, Photosynthesis, vascular and non-vascular plants.</p>	<b>Electricity</b> <p>Brightness, buzzers, voltage, switches, simple circuits and symbols.</p>
Sp2	<b>Minibeasts</b> <ul style="list-style-type: none"> <li>I can name common minibeasts we find outside.</li> <li>I can make observations of minibeasts.</li> <li>I can talk about changes over time. (minibeast life cycles)</li> <li>I know what a habitat is.</li> <li>I can talk about different habitats.</li> </ul>	<b>My Environment</b> <ul style="list-style-type: none"> <li>I can talk about the features of my immediate environment.</li> <li>I understand that environments can be damaged.</li> <li>I know how to take care of the environment.</li> <li>I know how to keep my body healthy.</li> </ul>	<b>Taking Care of the Earth</b> <ul style="list-style-type: none"> <li>I can describe ways we can take care of the Earth.</li> <li>I can sort natural and man-made resources.</li> <li>I can identify logging as a way of harvesting the Earth’s natural resources.</li> <li>I can identify some of the ways in which the environment can be polluted.</li> <li>I can understand that recycling means turning</li> </ul>	<b>Plants</b> <p>Seeds and bulbs, plants and water, light, temperature, healthy plants</p>	<b>Plants</b> <p>Functions of plants: roots, stem/trunk, leaves and flowers, Life and growth, variety of plants, water transportation, seed formation and dispersal</p>	<b>Sound</b> <ul style="list-style-type: none"> <li>I know sound is caused by an object vibrating rapidly.</li> <li>I know sound travels through solids, liquids and gases.</li> <li>I know about the speed of sound.</li> <li>I can notice the patterns between pitch and volume.</li> <li>I can explain how the ear works.</li> </ul>	<b>Forces</b> <p>Gravity, friction, air resistance, water resistance, pulleys, gears and levers.</p>	<b>Light</b> <p>How light travels, Our eyes, light sources, shadows.</p>

			<p>used things into something new.</p> <ul style="list-style-type: none"> <li>I can explain how and why people must care for the Earth.</li> </ul>			<ul style="list-style-type: none"> <li>I can explain why we must protect our hearing.</li> </ul>		
	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Su1	<p><b>At the Farm</b></p> <ul style="list-style-type: none"> <li>I know what a farm is.</li> <li>I can talk about the different jobs on a farm.</li> <li>I can name and identify common farm animals.</li> <li>I can talk about changes over time (animal life cycles).</li> </ul>	<p><b>Growing and Changing</b></p> <ul style="list-style-type: none"> <li>I can make observations of plants and animals.</li> <li>I can talk about changes over time (plants and animals).</li> <li>I can identify different types of plants; flowering, non-flowering, tree.</li> <li>I can identify the features of a plant.</li> <li>I know what plants need to survive.</li> <li>I can talk about where my food comes from.</li> </ul>	<p><b>Plants and Plant Growth</b></p> <ul style="list-style-type: none"> <li>I can explain what plants need in order to grow.</li> <li>I can name and describe the purpose of parts of a plant.</li> <li>I can understand that plants spread their seeds to reproduce.</li> <li>I can understand that some trees are evergreen and some are deciduous.</li> <li>I can explain how plants are grown for food.</li> <li>I can recognise which parts of plants we eat.</li> </ul>	<p><b>Materials and Matter</b></p> <ul style="list-style-type: none"> <li>I can understand that everything around us is made from tiny building blocks we cannot see.</li> <li>I can understand that solids have a definite shape.</li> <li>I can understand that liquids can be poured.</li> <li>I can understand that gas is matter that cannot be held or poured.</li> <li>To know that we use measurements to find out how much of something we have.</li> <li>Assessment – I can explain what I know about solids, liquids and gases.</li> </ul>	<p><b>Rocks</b></p> <ul style="list-style-type: none"> <li>I can compare different types of rocks.</li> <li>I can group rocks based on their properties.</li> <li>I can explain how fossils are formed.</li> <li>I can explain Mary Anning’s contribution to palaeontology.</li> <li>I can explain how soil is formed.</li> <li>I can investigate the permeability of different soils.</li> </ul>	<p><b>States of Matter and the Water Cycle</b></p> <ul style="list-style-type: none"> <li>I can identify the different stages of the water cycle.</li> <li>I can explain the different states of matter.</li> <li>I can investigate evaporation and condensation.</li> <li>I can explain what humidity is and precipitation is.</li> <li>I can identify the different clouds.</li> <li>I know how water is stored underground.</li> </ul>	<p><b>Astronomy</b></p> <ul style="list-style-type: none"> <li>I know about the Big Bang theory.</li> <li>I know about our solar system.</li> <li>I know about the planetary motion.</li> <li>I know about the force of gravity.</li> <li>I know about the solar eclipse.</li> <li>I know about comets, meteors and shooting stars.</li> <li>I know about constellations.</li> </ul>	<p><b>Reproduction</b></p> <ul style="list-style-type: none"> <li>I know about asexual reproduction in plants.</li> <li>I know about sexual reproduction in plants.</li> <li>I know about reproduction in animals, including humans.</li> <li>I can explain the difference between external and internal fertilisation.</li> <li>I can explain the different growth stages in animals, including humans.</li> </ul>
Su2	<p><b>A Healthy Us</b></p> <ul style="list-style-type: none"> <li>I can talk about what my body needs to stay healthy.</li> <li>I know why it is important to have good hygiene.</li> <li>I can observe the effects of exercise on my body.</li> <li>I know where my food comes from.</li> <li>I can identify fruits and vegetables.</li> </ul>	<p><b>Around the World</b></p> <ul style="list-style-type: none"> <li>I can talk about different animals across the 7 continents.</li> <li>I can describe different environments.</li> <li>I can talk about the 7 continents and their climates.</li> </ul>	<p><b>Materials and Magnets</b></p> <ul style="list-style-type: none"> <li>I can recognise everyday materials.</li> <li>I can identify properties of materials.</li> <li>I can explain why materials are chosen for specific tasks.</li> <li>I can understand that materials can be sorted according to whether they are or are not attracted to magnets.</li> <li>I can investigate which material would be most suitable for Paddington Bear’s hat.</li> <li>I can demonstrate my understanding of materials and magnets.</li> </ul>	<p><b>Astronomy</b></p> <ul style="list-style-type: none"> <li>I can explain where all our planets are positioned in the solar system.</li> <li>I can understand that the Earth travels around the Sun.</li> <li>I can understand that the Moon orbits the Earth.</li> <li>I can name and describe some constellations.</li> <li>I can describe the layers of the Earth.</li> <li>I can describe different types of rock.</li> </ul>	<p><b>Forces and Magnets</b></p> <ul style="list-style-type: none"> <li>I can compare how things move on different surfaces.</li> <li>I know that magnetic forces can act at a distance.</li> <li>I know that magnets can attract and repel each other.</li> <li>I can identify magnetic materials.</li> <li>I know that magnets have two poles and a magnetic field.</li> <li>I know that the Earth behaves like a huge magnet.</li> </ul>	<p><b>Electricity</b></p> <ul style="list-style-type: none"> <li>I know that electricity is a charge of electrons.</li> <li>I can explain the effects of static electricity.</li> <li>I can explain what an electrical current is.</li> <li>I can experiment with simple circuits.</li> <li>I can identify conductors and insulators.</li> <li>I know how electromagnets work and their common uses.</li> </ul>	<p><b>Meteorology</b></p> <ul style="list-style-type: none"> <li>I can explain the difference between weather and climate.</li> <li>I can explain what the atmosphere is.</li> <li>I can explain the difference between low pressure air system and high pressure air system.</li> <li>I know how weather is forecast.</li> <li>I can explain how wind is measured.</li> <li>I can explain the difference between a tornado an a hurricane.</li> </ul>	<p><b>Evolution</b></p> <ul style="list-style-type: none"> <li>I know that animals have offspring.</li> <li>I know that animals have adapted to suit their environment.</li> <li>I know that plants have adapted to suit their environment.</li> <li>I know that adaption may lead to evolution.</li> <li>I know about the theory of evolution.</li> <li>I know about the theory of evolution (<i>continued</i>).</li> </ul>

