

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 1</b>	<p><b>The Human Body</b></p> <ol style="list-style-type: none"> <li>Introduction to Our Body and Our Senses</li> <li>Eyes and Sight</li> <li>Ears and Hearing</li> <li>Touch, taste and smell</li> <li>Understanding Sensory Impairment</li> </ol> <p><b>Assessment: How do human senses help to understand the world around them?</b></p>	<p><b>Animals and their Needs</b></p> <ol style="list-style-type: none"> <li>Amazing Animals (Introduction to Animals)</li> <li>Grouping animals: Fish, amphibians, reptiles, birds and mammals</li> <li>Grouping animals: carnivores, herbivores and omnivores</li> <li>Animals as pets</li> <li>Describing animals</li> </ol>	<p><b>Seasons and Weather</b></p> <ol style="list-style-type: none"> <li>The four seasons</li> <li>Tools to record the weather</li> <li>Using a graph to show information about the weather</li> <li>Clouds and what they tell us: cirrus, cumulus and stratus</li> <li>Weather forecasting</li> </ol>	<p><b>Taking Care of the Earth</b></p> <ol style="list-style-type: none"> <li>Taking Care of the Earth</li> <li>Earth's Natural Resources</li> <li>Logging</li> <li>Pollution</li> <li>Recycling</li> </ol>	<p><b>Plants</b></p> <ol style="list-style-type: none"> <li>What plants need</li> <li>Parts of plants</li> <li>Seeds</li> <li>Deciduous and evergreen plants</li> <li>Plants we eat</li> </ol>	<p><b>Materials and Magnets</b></p> <ol style="list-style-type: none"> <li>Everyday Materials</li> <li>Properties of Materials</li> <li>Uses of Materials</li> <li>Magnets</li> <li>Investigation</li> </ol>
<b>Year 2</b>	<p><b>The Human Body</b></p> <ol style="list-style-type: none"> <li>Animals, including humans, survival and offspring</li> <li>The Skeletal System, The Muscular System and Exercise</li> <li>The Digestive system and Healthy Eating</li> <li>The Circulatory system</li> <li>Germs, diseases and preventing illness</li> </ol> <p><b>Assessment: How do animals and humans survive and lead a healthy lifestyle?</b></p>	<p><b>Living Things in their Environments</b></p> <ol style="list-style-type: none"> <li>Dead or Alive</li> <li>What is a habitat?</li> <li>Rainforest and Desert habitats</li> <li>Meadow habitats</li> <li>Underground habitats</li> </ol>	<p><b>Electricity</b></p> <ol style="list-style-type: none"> <li>Introduction to Electricity</li> <li>Safety</li> <li>Exploring Circuits (A)</li> <li>Exploring Circuits (B)</li> <li>Investigating conductive and non-conductive materials</li> </ol>	<p><b>Materials and Matter</b></p> <ol style="list-style-type: none"> <li>Materials and their uses</li> <li>George de Mestral and Velcro</li> <li>Matter under the microscope</li> <li>Changing Solid Objects</li> <li>Liquids and their properties</li> </ol>	<p><b>Plants</b></p> <ol style="list-style-type: none"> <li>Plants around us</li> <li>Seeds and bulbs</li> <li>Comparative test 1</li> <li>Comparative Test 2</li> <li>Food and Farming</li> </ol>	<p><b>Astronomy</b></p> <ol style="list-style-type: none"> <li>Introduction to Astronomy</li> <li>Model the Solar System</li> <li>Orbit and Rotation</li> <li>The Moon and its Phases</li> <li>Constellations</li> </ol>
<b>Year 3</b>	<p><b>The Human Body</b></p> <ol style="list-style-type: none"> <li>The Muscular System</li> <li>The Skeletal System</li> <li>The Nervous System</li> <li>Preparing to Eat</li> <li>The Digestive System</li> </ol> <p><b>Assessment: Name and summarise the function of the 4 human systems</b></p>	<p><b>Cycles in Nature</b></p> <ol style="list-style-type: none"> <li>The Four Seasons (prior learning)</li> <li>Seasonal Cycles in Plants</li> <li>Life Cycle of a Plant</li> <li>Animal Migration</li> <li>Life Cycle of a Frog</li> </ol>	<p><b>Forces and Magnets</b></p> <ol style="list-style-type: none"> <li>Forces (Gravity)</li> <li>Friction</li> <li>Magnet</li> <li>Magnetic Poles and Fields</li> <li>Investigating the strength of magnets</li> </ol>	<p><b>Plants</b></p> <ol style="list-style-type: none"> <li>Botany and Flowering Plants</li> <li>Requirements for life and growth</li> <li>Water transportation in plants</li> <li>Pollination in Flowering Plants</li> <li>Seed Dispersal</li> </ol>	<p><b>Rocks</b></p> <ol style="list-style-type: none"> <li>Sorting rocks</li> <li>How Rocks are Formed</li> <li>Permeability</li> <li>Fossils</li> <li>Soil</li> </ol>	<p><b>Light</b></p> <ol style="list-style-type: none"> <li>Light and Dark</li> <li>Transparent and opaque surfaces</li> <li>Mirrors and reflection</li> <li>Shadows</li> <li>Finding patterns in changing shadows</li> </ol>
<b>Year 4</b>	<p><b>The Human Body</b></p> <ol style="list-style-type: none"> <li>Cells and Nutrients</li> <li>Teeth and Senses</li> <li>Digestion</li> <li>A Healthy Diet</li> <li>Vitamins and Minerals</li> </ol> <p><b>Assessment: How does the human digestive system work?</b></p>	<p><b>Classification of Plants and Animals</b></p> <ol style="list-style-type: none"> <li>Introduction to classification</li> <li>Classes of vertebrates: Fish and Amphibians</li> <li>Classes of vertebrates: Reptiles, Birds and Mammals</li> <li>Classes of invertebrates: Insects, Arachnids and Molluscs</li> <li>Classification of plants</li> </ol>	<p><b>Ecology</b></p> <ol style="list-style-type: none"> <li>Living things and Habitats</li> <li>Natural Cycles</li> <li>Web of Living Things</li> <li>Human Threats to the Environment</li> <li>Ecology in our Local Area</li> </ol>	<p><b>Sound</b></p> <ol style="list-style-type: none"> <li>What is sound?</li> <li>Speed of sound</li> <li>Qualities of sound – Pitch and Volume</li> <li>Human Voice</li> <li>Ears- how we hear</li> </ol>	<p><b>The Water Cycle</b></p> <ol style="list-style-type: none"> <li>States of Matter</li> <li>Evaporation</li> <li>Condensation</li> <li>Precipitation</li> <li>The Water Cycle</li> </ol>	<p><b>Electricity</b></p> <ol style="list-style-type: none"> <li>Electrical Safety</li> <li>Parts of a circuit</li> <li>Switches</li> <li>Thomas Edison and Lewis Latimer</li> <li>Investigating conductive and non-conductive materials</li> </ol>
<b>Year 5</b>	<p><b>Materials</b></p> <ol style="list-style-type: none"> <li>Properties of materials</li> <li>Which material is best?</li> <li>Solubility- which materials are most soluble/what solubility means</li> <li>Separating mixtures- sieving, filtering, evaporating</li> <li>Reversible changes- dissolving, mixing, change of state</li> </ol> <p><b>Assessment: How would you separate a mixture of pebbles, iron nails, salt and water?</b></p>	<p><b>Living Things</b></p> <ol style="list-style-type: none"> <li>Life cycles of plants and animals in our local area</li> <li>Reproduction in Plants</li> <li>Life cycles of Mammals and Amphibians</li> <li>Life cycles of insects and birds</li> <li>The work of David Attenborough and Jane Goodall</li> </ol>	<p><b>Forces</b></p> <ol style="list-style-type: none"> <li>Forces including gravity</li> <li>Air resistance, water resistance and friction</li> <li>Guided investigation: Paper Drop</li> <li>Guided investigation: Paper Drop</li> <li>Pulleys, gears and levers</li> </ol>	<p><b>Astronomy</b></p> <ol style="list-style-type: none"> <li>The Big Bang and the expanding universe</li> <li>Gravity</li> <li>Our Solar System</li> <li>The Moon</li> <li>Our Galactic neighbourhood</li> </ol>	<p><b>Meteorology</b></p> <ol style="list-style-type: none"> <li>Meteorology and the Atmosphere</li> <li>The Ozone Layer</li> <li>Air Movement</li> <li>Cold and Warm Fronts</li> <li>Thunder and Lightning</li> </ol>	<p><b>The Human Body</b></p> <ol style="list-style-type: none"> <li>Human Growth Stages</li> <li>Adolescence and Puberty</li> <li>Slowing Down</li> <li>Growth in Humans and Animals</li> <li>Preparation for Assessment (research and scientific drawing)</li> </ol>
<b>Year 6</b>	<p><b>The Human Body</b></p> <ol style="list-style-type: none"> <li>The Heart: Circulation of the Blood</li> <li>Blood Vessels and Transport</li> <li>Components of Human Blood</li> <li>Blood Pressure and Heart Rate</li> <li>Heart Rate- an Investigation</li> </ol> <p><b>Assessment: Why is our circulatory system important?</b></p>	<p><b>Classification of Living Things</b></p> <ol style="list-style-type: none"> <li>Classifying organisms</li> <li>Cells: Plant and Animal cells</li> <li>Taxonomy</li> <li>Vertebrates</li> <li>Invertebrates</li> </ol>	<p><b>Electricity</b></p> <ol style="list-style-type: none"> <li>Simple Series Circuits</li> <li>Parallel Circuits</li> <li>Switches</li> <li>Planning an investigation</li> <li>Investigation</li> </ol>	<p><b>Light</b></p> <ol style="list-style-type: none"> <li>How light travels</li> <li>How we see</li> <li>Shadows and their shapes</li> <li>The Colour of Light</li> <li>Making a periscope</li> </ol>	<p><b>Reproduction</b></p> <ol style="list-style-type: none"> <li>Asexual reproduction</li> <li>Sexual reproduction in non-flowering plants</li> <li>Sexual reproduction in flowering plants</li> <li>Reproduction in animals</li> <li>Growth stages</li> </ol>	<p><b>Evolution</b></p> <ol style="list-style-type: none"> <li>Fossils and Evolution</li> <li>Inheritance</li> <li>Adaptation</li> <li>Charles Darwin</li> <li>Alfred Wallace</li> </ol>