



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	<p>Everyday Materials Identify and name everyday materials, describe properties and compare materials based on these properties.</p> <p>Seasonal Changes Observe changes across the seasons. Observe and describe weather and day length.</p>	<p>Living things and their habitats Explore living, dead and never alive. Identify habitats of living things and what these provide for the living things. Name a variety of plants and animals and their microhabitats. Explore simple food chains.</p> <p>Animals including humans Learn animals have offspring. Find out about the basic needs of animals and humans. Describe the importance of exercise, hygiene and diet.</p>	<p>Rocks Compare and group different kinds of rocks by physical properties and appearance. Describe how rocks are formed. Recognise that soils are made from rocks and organic matter</p>	<p>Sound Identify sounds are made through vibration and how these travel to the ear. Find patterns between volume, pitch and strength of vibrations. Recognise sounds get fainter the further away they are.</p> <p>Electricity Identify common appliances that run on electricity and construct a simple circuit, naming basic parts. Recognise the function of switches and recognise common conductors and insulators.</p>	<p>Properties and changes of materials Compare and group together everyday materials on specific basis such as conductivity, solubility etc. Describe how to recover a substance from a solution and separate mixtures through sieving, filtering and evaporation. Use comparative and fair tests. Demonstrate reversible changes. Explain how new materials are formed and that these are usually not reversible.</p>	<p>Light Recognise that light appears to travel in straight lines and use this to explain how objects are seen. Explain how light travels from light sources to our eyes via objects. Explain why shadows have the same shape as the objects that cast them.</p> <p>Electricity Associate the brightness or volume with the number and voltage of cells used in the circuit. Compare variations in how components function. Use recognised symbols when representing a simple circuit.</p>
Spring	<p>Animals; including humans Identify and name a variety of common animals and describe and compare their structure. Identify and name carnivores, herbivores and omnivores. Identify, name basic parts of the human body and each sense.</p> <p>Plants Identify and name common plants and basic structure, including trees.</p> <p>Seasonal Changes Observe changes across the seasons. Observe and describe weather and day length.</p>	<p>Uses of everyday materials Identify and compare the suitability of materials for specific uses. Find out how the shapes of solid objects can be changed.</p>	<p>Plants Describe the functions of parts of a plant. Explore how each element of life and growth differs from plant to plant. Investigate how water is transported. Explore the part flowers play in the life cycle of flowering plants.</p> <p>Animals, including humans Identify that animals, inc humans need the right nutrition and get this from food. Identify the role of skeletons and muscles.</p>	<p>States of Matter Compare and group materials together whether they are solids, liquids or gases. Observe materials change when heated or cooled and measure temperature. Identify the part of evaporation and condensation in the water cycle.</p>	<p>Earth and Space Describe movement of the Earth and other planets relative to the Sun. Describe movement of the Moon to the Earth. Describe Sun, Moon and Earth as spherical bodies and use the Earth's rotation to explain day and night.</p> <p>Forces Explain the effect of gravity upon objects on Earth. Identify effects of air and water resistance and friction on moving surfaces. Recognise that mechanisms allow a small force to have greater effect.</p>	<p>Living things and their habitats Describe the broad groups that living things are categorised into based upon observable characteristics. Give reasons for classifying plants and animals.</p> <p>Animals including humans Identify and name parts of human circulatory system. Describe functions of heart, blood and blood vessels. Recognise impact of diet, exercise, drugs and lifestyle on body function. Describe how nutrients and water are transported through animals.</p>



Summer	<p><u>Plants</u> Identify and name common plants and basic structure, including trees.</p> <p><u>Seasonal Changes</u> Observe changes across the seasons. Observe and describe weather and day length.</p>	<p><u>Plants</u> Observe and describe how seeds and bulbs grow into plants. Find out what a plant needs to grow and stay healthy.</p>	<p><u>Forces and magnets</u> Compare how things move on different surfaces and that magnetic forces can operate at a distance. Observe how magnets attract and repel and how the poles act upon each other. Compare and group everyday materials and their magnetic properties.</p> <p><u>Light</u> Recognise light is needed to see, dark is the absence of light and how we can protect our eyes from the sun. Notice how light is reflected. Recognise how shadows are made and find patterns in the way shadows change.</p>	<p><u>Animals including humans</u> Describe the functions of the digestive system. Identify types of teeth and their functions. Construct and interpret food chains, identifying producer, predators and prey.</p>	<p><u>Animals including humans</u> Describe the changes as humans age.</p> <p><u>Living things and their habitats</u> Describe the differences in the life cycles of mammal, amphibian, insect and bird. Describe the life process of reproduction in some plants and animals.</p>	<p><u>Evolution and Inheritance</u> Recognise living things have changed over time and how fossils provide information about living things from long ago. Recognise living things produce offspring of the same kind, but that there is some variation. Identify how animals and plants have adapted to suit their environment and that this may lead to evolution.</p>
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