



Key Stage 1 – Science Overview

CYCLE A

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Animals including humans</p> <p><u>Amazing Me!</u></p> <p>Y1</p> <ul style="list-style-type: none"> Identify, name and draw the basic parts of the human body and say which part of the body is associated with each sense <p>Y2</p> <ul style="list-style-type: none"> Notice that animals including humans have offspring which grow into adults. Find out about and describe basic needs for survival. <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(Think carefully what you look like as a baby. Look at the differences in your body, compare foot and hand sizes and make a class display. Consider how to investigate what we can hear in the playground. Investigate fruit and vegetables and plan a balanced picnic for guest).</p>	<p>Seasonal Changes</p> <p><u>Wild Weather!</u></p> <p>Y1</p> <ul style="list-style-type: none"> Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies. <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(In this block think about weather, learn how to present data and make own weather forecast to present to the class. Play shadow tag and create bar charts to record shadow length over time. Set up rain gauges to observe rainfall).</p>	<p>Everyday Materials</p> <p><u>Brilliant Builders!</u> (choosing the best materials)</p> <p>Y1 Everyday materials</p> <ul style="list-style-type: none"> Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday objects. <p>Y2 Use of everyday materials</p> <ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials. Find out how solid objects made from some materials can be changed. <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(Exploring different materials and sort them into groups, use magnets and explore properties. Recreate the story of the three little pigs and predict what will happen to their houses).</p>	<p>Plants</p> <p><u>Growing Things</u></p> <p>Y1</p> <ul style="list-style-type: none"> Identify and name a variety of common wild and garden plants, including deciduous and evergreen. Identify and describe the basic structure of a variety of common flowering plants, including trees. <p>Y2</p> <ul style="list-style-type: none"> Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(Explore outside and prepare tubs for planting potatoes. Record the growth of a bean and look at how it develops. Recreating the plant with craft materials. Labelling parts of a plant. Looking closely at cress plants and drawing what they see).</p>	<p>Animals including humans</p> <p><u>Wild and Wonderful Creatures!</u></p> <p>Y1</p> <ul style="list-style-type: none"> Identify and name a variety of common animals that are birds, fish etc Identify and name common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals. Identify, name and draw and label the basic parts of the human body and say which parts are associated with each sense. <p>Y2</p> <ul style="list-style-type: none"> Notice that animals including humans have offspring which grow into adults. Find out about and describe basic needs for survival. Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. <p>Working scientifically (as before)</p> <p>(Sorting animals, sort into different groups and learn all about carnivores, herbivores and omnivores. Create show box dioramas and annotate with researched information. Make a micro safari with collated information about African animals)</p>	<p>Animal Life Cycles</p> <p><u>Food Chains</u></p> <p>Y2</p> <ul style="list-style-type: none"> Explore and compare the differences between things that are living, dead, and things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of plants and animals, and how they depend on each other. Identify and name a variety of plants and animals in their habitats including micro-habitats. Describe how animals obtain their food from plants and other animals and identify and name different sources of food. <p>Working scientifically (as before)</p> <p>(Talk about food chains and role play the interdependence between creatures in a chain, considering what part each plays in its survival. Learn about water food chains)</p>



Key Stage 1 – Science Overview

--	--	--	--	--	--



Key Stage 1 – Science Overview

CYCLE B

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Animals including humans</p> <p><u>People and their Pets</u></p> <p>Y1</p> <ul style="list-style-type: none"> Identify, name and draw the basic parts of the human body and say which part of the body is associated with each sense <p>Y2</p> <ul style="list-style-type: none"> Notice that animals including humans have offspring which grow into adults. Find out about and describe basic needs for survival. Describe the importance for humans of exercise, eating the right amounts of different foods, and hygiene <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(Observe mini-beasts in outdoor environment, photograph and sketch them. Talk about pets and identify their needs)</p>	<p>Seasonal Changes</p> <p><u>Weather Art</u></p> <p>Y1</p> <ul style="list-style-type: none"> Observe changes across the four seasons. Observe and describe weather associated with the seasons and how day length varies. <p>Y2</p> <ul style="list-style-type: none"> Observe and name a variety of sources of light, including electric lights, flames and sun. Associate shadows with a light source being blocked by something. <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(Talk about the four seasons and make a season collage. Make a windsock and bottle wind spinner. Talk about the importance of the sun, design sun catchers for the classroom and a sundial for outside. Explore shadows using torches).</p>	<p>Everyday Materials</p> <p><u>Brilliant Builders!</u> (Comparing Materials)</p> <p>Y1 Everyday materials</p> <ul style="list-style-type: none"> Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday objects. <p>Y2 Use of everyday materials</p> <ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials. Find out how solid objects made from some materials can be changed. <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(Fixing a torn umbrella, explore different materials and answer questions: how can we know that this material will not let rain through. How can we test it? Investigate the absorbency and waterproofing of materials)</p>	<p>Plants</p> <p><u>Art and Nature</u></p> <p>Y1</p> <ul style="list-style-type: none"> Identify and name a variety of common wild and garden plants, including deciduous and evergreen. Identify and describe the basic structure of a variety of common flowering plants, including trees. <p>Y2</p> <ul style="list-style-type: none"> Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of plants and animals, and how they depend on each other. Identify and name a variety of plants and animals in their habitats including micro-habitats. Describe how animals obtain their food from plants and other animals and identify and name different sources of food. <p>Working scientifically (as before)</p> <p>(Investigate and sort materials according to where they came from. Learn all about materials that come from plants. Produce clay sculptures, sketches, junk models, bark and leaf rubbings).</p>	<p>Use of Everyday Materials</p> <p><u>Exploring Changes</u></p> <p>Y1 Everyday materials</p> <ul style="list-style-type: none"> Distinguish between an object and the material from which it is made. Identify and name a variety of everyday materials Describe the simple physical properties of a variety of everyday materials. Compare and group together a variety of everyday objects. <p>Y2 Use of everyday materials</p> <ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials. Find out how solid objects made from some materials can be changed. <p>Working scientifically (as before)</p> <p>(Observe a block of ice and record changes. Devise an investigation to melt the ice quickly or slowly. Create puddles and measure how they change. Investigate the absorbency of fabrics and changes in wax through batik art and crayon making).</p>	<p>Habitats</p> <p><u>Habitats and Homes</u></p> <p>Y2</p> <ul style="list-style-type: none"> Explore and compare the differences between things that are living, dead, and things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of plants and animals, and how they depend on each other. <p>Working scientifically</p> <ul style="list-style-type: none"> Ask simple questions and recognising that they can be answered in different ways. Observing closely Perform simple tests Identifying and classifying Using observations to suggest answers to questions. Gathering and recording data. <p>(Plant edible plants and make bird scaring sculptures. Design and build a bug hotel)</p>



Key Stage 1 – Science Overview

--	--	--	--	--	--