



Science Knowledge and Skills Progression 12R

Science Knowledge and Skills Progression		
Science Knowledge		
	Year 1	Year 2
Animals Including Humans	<ul style="list-style-type: none"> Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals including pets) Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense 	<ul style="list-style-type: none"> Notice that animals, including humans, have offspring which grow into adults Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene
Living Things and their Habitats		<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 animals and plants, and how they depend on each other Identify and name a variety of plants and animals in their habitats, including microhabitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food
Plants	<ul style="list-style-type: none"> Identify and name a variety of common and wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees 	<ul style="list-style-type: none"> Observe and describe how seeds and bulbs into mature plants Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy



Science Knowledge and Skills Progression 12R

<p>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, including wood, plastic, glass, metal, water, and rock • Describe the simple physical properties of a variety of everyday materials • Compare and group together a variety of everyday materials on the basis of their simple physical properties 	<ul style="list-style-type: none"> • Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses • Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching
------------------	---	---

Working Scientifically		
	Year 1	Year 2
<p>Autumn 1</p>	<p><u>All About Me</u></p> <ul style="list-style-type: none"> • Perform simple tests • Identify and classify • Using their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions 	<p><u>Animals – Growth</u></p> <ul style="list-style-type: none"> • Perform simple tests • Identify and classify • Using their observations and ideas to suggest answers to questions
<p>Autumn 2</p>	<p><u>Seasonal Changes</u></p> <ul style="list-style-type: none"> • Perform simple tests • Identify and classify • Using their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions 	<p><u>Living Things and their Habitats</u></p> <ul style="list-style-type: none"> • Asking simple questions and recognise that they can be answered in different ways • Perform simple tests • Identify and classify • Using their observations and ideas to suggest answers to questions
<p>Spring 1</p>	<p><u>Exploring Everyday Materials</u></p>	<p><u>Use of Everyday Materials</u></p>



Science Knowledge and Skills Progression 12R

	<ul style="list-style-type: none"> • Perform simple tests • Identify and classify • Using their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions 	<ul style="list-style-type: none"> • Perform simple tests • Using their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions
Spring 2	<p><u>All About Animals</u></p> <ul style="list-style-type: none"> • Asking simple questions and recognise that they can be answered in different ways • Observe closely, using simple equipment • Identify and classify • Using their observations and ideas to suggest answers to questions • Gather and record data to help in answer 	<p><u>Lifecycles</u></p> <ul style="list-style-type: none"> • Asking simple questions and recognise that they can be answered in different ways • Identify and classify • Using their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions
Summer 1	<p><u>Exploring Everyday Materials</u></p> <ul style="list-style-type: none"> • Perform simple tests • Identify and classify • Using their observations and ideas to suggest answers to questions 	<p><u>Living Things and Habitats Around the World</u></p> <ul style="list-style-type: none"> • Asking simple questions and recognise that they can be answered in different ways • Identify and classify • Using their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions
Summer 2	<p><u>Plants</u></p> <ul style="list-style-type: none"> • Asking simple questions and recognise that they can be answered in different ways • Observe closely, using simple equipment • Identify and classify 	<p><u>Plants</u></p> <ul style="list-style-type: none"> • Asking simple questions and recognise that they can be answered in different ways • Observe closely, using simple equipment • Perform simple tests • Identify and classify



Science Knowledge and Skills Progression 12R

	<ul style="list-style-type: none">• Using their observations and ideas to suggest answers to questions• Gather and record data to help in answering questions	<ul style="list-style-type: none">• Using their observations and ideas to suggest answers to questions• Gather and record data to help in answering questions
--	--	--