

Science Overview

	Autumn 1	Autumn 2	Spring 1	Spring 1	Summer 1	Summer 1
1	<p>Seasonal Changes Introduction to the four seasons. Observe changes over time.</p>	<p>Materials Name, classify, group, and describe materials. A simple test.</p>	<p>Animals including Humans Grouping animals. Identifying and naming parts of a human body. Describe, compare, classify</p>		<p>Plants Observing plants in the environment. Labelling parts of a plant. Observe and describe</p>	
<p>Seasonal Changes to run across the year to investigate seasonal change. Children to observe how the plants in our environment change over the year. Pattern spotting and Observing over time</p>						
2	<p>Animals including Humans Learn that animals including humans have offspring. Sorting and classifying.</p>	<p>Materials Find out how solid objects made from some materials can be changed. Identify and classify, pattern seeking.</p>	<p>Living things and their habitat Explore and compare the differences between things that are living and not living. Sorting, classifying and recording.</p>	<p>Animals including Humans Describe the basic needs of animals, including humans, for survival. Observing through observation and measurement.</p>	<p>Plants Describe how seeds and bulbs grow into mature plants. Observing over time and recording, fair test.</p>	<p>Living things and their habitat Explore and compare different habitats including microhabitats. Sorting, classifying and recording.</p>
3	<p>Rocks and Soils Compare and group together different kinds of rocks. Looking for patterns. Classification.</p>	<p>Animals including Humans Animals, including humans, cannot make their own food; they get nutrition from what they eat. Identifying, grouping, observing and comparing.</p>	<p>Animals including Humans Humans and some other animals have skeletons and muscles for support. Identifying, grouping, observing and comparing.</p>	<p>Plants Identify the functions of different parts of a flowering plant. Pattern seeking.</p>	<p>Forces and Magnets Compare how things move on different surfaces. Explore the behaviour and everyday uses of magnets. Comparative fair test, grouping, questioning and recording data.</p>	<p>Light Recognise that we need light in order to see things and that dark is the absence of light. Pattern seeking, change over time.</p>
4	<p>Teeth and the digestive system Identify the different types of teeth and their simple functions. Basic parts of the digestive system in humans. Change over time.</p>	<p>Electricity Construct simple series electrical circuit. Predict and test, observe patterns.</p>	<p>State of Matter Group materials together, according to whether they are solids, liquids or gases. Comparative fair test, group and classify.</p>		<p>Sound Recognise that vibrations from sounds travel through a medium to the ear. Comparative fair test, finding patterns.</p>	<p>Living things and their habitats To recognise that living things can be grouped in a variety of ways. Classification, simple keys.</p>
5	<p>Forces Explore the forces of gravity. Air resistance, friction and water resistance. Recognise mechanisms including levers and pulleys. Fair test.</p>	<p>Earth & Space Movement of the Earth and other planets, relative to the sun in the solar system. Comparing and creating simple models.</p>	<p>Properties and changing materials Use knowledge of solids, liquids and gases to. Decide how mixtures might be separated. Observe and compare to answer questions. Problem solving.</p>		<p>Plant and plant reproduction Describe the life process of reproduction in some plants and animals. Research using secondary resources. Observe and describe.</p>	<p>Animals including humans Describe the differences in life cycles of a mammal, an amphibian, an insect and a bird. Research using secondary sources.</p>
6	<p>Living things and their habitats Know how living things are classified into broad groups. Using classification systems and keys.</p>	<p>Circulatory system Identify the main parts of the human circulatory system. Comparative fair test. Explore scientific research.</p>	<p>Evolution and Inheritance Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. Research using secondary sources.</p>		<p>Light Explore how light travels from light sources to our eyes. Explore shadow formation. Prediction and change over time.</p>	<p>Electricity Associate the brightness of a bulb/volume of a buzzer with the number and voltage of cells used in the circuit. Use symbols. Working systematically, compare and associate.</p>