

Science Knowledge and Skills Overview

Class 2

Year A

	Autumn 1 Seasonal Changes	Autumn 2 Exploring Everyday Materials	Spring 1 Animals including Humans - Humans	Spring 2 Habitats around the World	Summer 1 Everyday Materials	Summer 2 Plants – growth and care
Knowledge	<ul style="list-style-type: none"> Observe changes across the 4 seasons Observe and describe weather associated with the seasons and how day length varies 	<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 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"> 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 	<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 	<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

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				animals, using the idea of a simple food chain, and identify and name different sources of food		
Skills	<ul style="list-style-type: none"> • Perform simple tests • Use their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions 	<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 	<ul style="list-style-type: none"> • Observe closely, using simple equipment • Identify and classify • Use their observations and ideas to suggest answers to questions • Gather and record data to help in answering questions 	<ul style="list-style-type: none"> • Observe closely, using simple equipment • Perform simple tests • Identify and classify • Use their observations and ideas to suggest answers to questions 	<ul style="list-style-type: none"> • Observe closely, using simple equipment • Perform simple tests • Identify and classify • Gather and record data to help in answering questions 	<ul style="list-style-type: none"> • Observe closely, using simple equipment • Perform simple tests • Gather and record data to help in answering questions
Vocabulary	Spring, Summer, Autumn, Winter, Weather, Temperature, Thermometer, Forecast	Magnet, Metal, Wood, Plastic, Paper, Man-Made, Natural, Recycle	Sight, Smell, Exercise, Healthy, Design, Baby, Grow, Bones	Environments, Changing, Ocean, Rainforest, Habitat, Plants, Survive, Microhabitats, minibeasts, Producers, Consumers, Source, Food chain	Force, Absorbent, Waterproof, Stretch, Repel, Squash, Properties, Invention, Durable, Flexible, Strong	Germinate, Nutrient, Produce, Bulb, Seed, Fertilised, Dormant, Pollen,