

Science Overview - Year 2



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Living things and their habitats	Plants	Animals including humans	Plants	Everyday materials	
	<i>Seasonal changes - 1 lesson per half term to cover this with an emphasis on the children's observations of these changes.</i> • observe changes across the four seasons • observe and describe weather associated with the seasons and how day length varies.					
NC links	• 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	• find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	• 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	• observe and describe how seeds and bulbs grow into mature plants. <i>Grow a range of seeds and investigate what happens when seeds are grown in different environments and conditions.</i>	• 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.	

	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, using the idea of a simple food chain, and identify and name different sources of food.		hygiene.		
Skill breakdown	Identifying and classifying	Asking simple questions and recognizing that they can be answered in different ways.	Observe closely, using simple equipment	- Gathering and recording data to help in answering questions - Perform simple tests - Observe, describe, compare, similar, different differences.	- Identifying and classifying - Using observations to suggest answers to questions - Features, sort, observe, similar, different, patterns, identify, describe, recognise, diagram
Key vocabulary	alive, dead, never been alive, habitat/micro-habitat, woodland, ocean, country, rainforest, pond (include local habitats familiar to children) Animals and plants (core	light, sun, shade, warm/warmth, cool, healthy, conditions, temperature, suitable	offspring, reproduce, child/adult (example comparisons: chick/hen, child/adult, caterpillar/butterfly) exercise, heartbeat,	light, sun, shade, warm/warmth, cool, healthy, conditions, temperature, suitable	Core list of materials Opaque/transparent, translucent, reflective/non-reflective, Flexible/rigid, push/pull/ press. twist, squash, bend, stretch,

	list) suited, basic needs, shelter food chain		hygiene, germs, meat (including fish), vegetables, fruit		
Scientific equipment	Pictures of focus animals and plants (real plants for children to observe where possible), magnifying glasses	Small plants, germinating seeds, plastic tray/pots, compost, towels, water containers, thermometer	Pictures or videos of animals and plants at different stages of development and growth, handwashing resources, Eat Well guide, real examples of types of food and pictures,	Seeds, bulbs (core list) germinating seeds, plastic tray/pots, compost, towels, water containers, thermometer	Magnifying data loggers.