



Subject: Science

Reception & KS1 Topic Coverage & Progression

	Reception	Year 1	Year 2
<b>Plants</b>	Talk about some of the things they have observed such as plants, animals, natural and found objects.	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.	Observe and describe how seeds and bulbs grow into mature plants.
		Identify and describe the basic structure of a variety of common flowering plants, including trees. (including leaves, flowers, blossom, petals, fruit, roots, bulb, seed, trunk, branches, stem)	Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.
<b>Animals, including humans</b>	Shows care and concern for living things and the environment.  Develop an understanding of growth, decay and changes over time.	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals	Notice that animals, including humans, have offspring which grow into adults.
		Identify and name a variety of common animals that are carnivores, herbivores and omnivores.	Find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
		Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)	Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
		Identify, name, draw and label the basic parts of the human body (including head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth) and say which part of the body is associated with each sense.	
<b>Materials</b>		Distinguish between an object and the material from which it is made.	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.
		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 using scientific vocabulary. (hard/soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not waterproof; absorbent/not absorbent; opaque/transparent)	Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
		Compare and group together a variety of everyday materials on the basis of their simple physical properties. (hard/soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not waterproof; absorbent/not absorbent; opaque/transparent)	

<b>Seasonal Changes</b>		Observe changes across the four seasons through comparing landscapes and making tables or charts.	
		Observe and describe weather associated with the seasons and how day length varies. Make tables or charts about the weather with support.	
<b>Living things and their habitats</b>			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. 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' (a natural environment or home of a variety of plants and animals), including microhabitats (a very small habitat, for example for woodlice under stones, logs or leaf litter).
			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.