



Science: KS1 Progression of Knowledge & Skills

Year Group	Science: KS1 Progression of Knowledge & Skills				
	Biology			Chemistry	Physics
	Animals, Including Humans	Plants	Living Things & Their Habitats	Everyday Materials	Seasonal Changes
Year 1	<ul style="list-style-type: none">I can identify and name a variety of common animals that are birds, fish, amphibians, reptiles and mammalsI can identify and name a variety of common animals that are carnivores, herbivores and omnivores.I can describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles and mammals, and including pets).I can identify, name, draw and label the basic parts of the human body and say which parts of the body are associated with each sense.	<ul style="list-style-type: none">I can identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen.I can identify and describe the basic structure of a variety of common plants including roots, stem/trunk, leaves and flowers.		<ul style="list-style-type: none">I can distinguish between an object and the material from which it is made.I can identify and name a variety of everyday materials, including wood, plastic, glass, water and rock.I can describe the simple physical properties of a variety of everyday materials.I can compare and group together a variety of everyday materials on the basis of their physical properties.	<ul style="list-style-type: none">I can observe changes across the four seasons.I can observe and describe weather associated with the seasons and how day length varies.
Vocabulary	amphibians, birds, fish, mammals, reptiles, carnivore, herbivore, omnivore, sight, hearing, touch, taste, smell	wild plants, garden plants, weed, deciduous, evergreen, roots, stems, leaves, flowers, petals, fruit		object, materials, hard, soft, stretchy, shiny, dull, rough, smooth, bendy, waterproof, absorbent, transparent	seasons, autumn, winter, weather, daylight, spring, summer
Year 2	<ul style="list-style-type: none">I can notice that animals, including humans, have offspring which grow into adultsI can find out about and describe the basic needs of animals, including humans, for survival (water, food and air)I can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	<ul style="list-style-type: none">I can observe and describe how seeds and bulbs grow into mature plants.I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.	<ul style="list-style-type: none">I can explore and compare the differences between things that are living, dead, and things that have never been alive.I can 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.I can identify and name a variety of plants and animals in their habitats, including micro-habitats.I can describe how animals obtain their food from plants and other animals,I can use the idea of a simple food chain, and identify and name different sources of food.	<ul style="list-style-type: none">I can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.I can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	
Vocabulary	adult, develop, life cycle, offspring, reproduce, nutrition, live young, dehydrate, diet, disease, energy, germs, heart rate	germination, seed dispersal, sprout, shoot, sunlight, water, temperature, nutrition	life processes, living, dead, never living, food chain, food sources, habitat, microhabitat, depend, survive	materials, suitability, properties, not stretchy, not bendy, opaque	
Years 1 & 2	Working Scientifically: <ul style="list-style-type: none">I can ask questions and know they can be answered in different waysI can look closely, using equipmentI can perform simple tests.I can name and groupI can use my observations and ideas to suggest answers to questionsI can collect and record data to help answer questions				