

Science Curriculum Key Questions KS1

Year 1	<u>Animals including humans</u> Can you name the four different senses? Which part of the body do we use to bend our legs? Which part of the body do we use to hear with? What variety of animals are there? Can you name two examples of mammals? Which similar feature do fish, dogs and scorpions have?	<u>Seasonal Changes</u> Can you name the four seasons in the UK? Which season would it be most likely to snow in? Can you explain how weather changes from season to season? Which season do leaves start to fall from some trees?	<u>Everyday Materials</u> Can you describe the properties of metal? Using scientific words, can you describe rock? Can you name a material that is flexible? Why are window panes usually made out of glass? What is similar about plastic and metal? What is different about glass and paper?	<u>Animals including humans</u> Can you describe the features of a goldfish? Can you describe how the structure of a fish is different to a turtle? Can you name an example of an omnivore? What type of food do herbivores eat? Can you describe the difference in diet between a carnivore and an omnivore? Can you explain the difference between the tail on a fish and the tail on a dog?	<u>Seasonal Changes</u> Can you name the four seasons in UK, in order starting with Spring? How is the weather usually different in Summer than in Winter? What is different about the length of day in Summer to Winter? If I was wearing a jacket, carrying an umbrella and wearing wellies, which season would I be in? Explain why.	<u>Plants</u> Can you name three different parts of a plant? Can you describe what roots do for a plant or tree? Why does a flower have a stem? Can you name two plants you might find in your garden? What is a wild plant? What is a deciduous tree? Can you give examples?
		<u>Everyday Materials</u> Can you name three types of materials? What material is a table usually made from? Can you name a material that is hard and rigid? Can you name two materials that could be used to make a chair?				
Year 2	<u>Revision of Year 1 Animals</u> Can you name an example of a type of bird, amphibian and mammal? Can you name the five senses and the body parts linked to them? Can you describe three parts of the body used for movement? What is the name of the organ used to pump blood around the body? Which similar feature do snakes, crocodiles and fish have? What type of food does a	<u>Living things and their habitats</u> Can you name three things that are living, dead or never been alive? What is the difference between something that is dead and something that has never been living? Can you name three life processes that are common to humans and animals? Can you name three different types of habitats and give examples of animals that live in them? Can you describe the	<u>Everyday Materials</u> Can you describe the properties of wood? What is similar about plastic, metal and wood? Which material would be most suitable to make a raincoat out of? Explain why. Why is glass a suitable material to create a window? Describe two ways you can change the shape of an object. How does a surface change the way things move?	<u>Animals including humans</u> Can you name three things that animals and humans need to survive? Describe the life cycle of a frog. What is a human's offspring? Which animal has a kitten as its offspring? Why do animals have offspring that grow into adults? Why is a balanced diet important for humans? Why is hygiene important	<u>Living things and their habitats</u> What is a habitat? Give examples of animals and their habitats. What habitat do camels live in? Can you describe the conditions in a micro-habitat that make it suitable for a worm? Can you explain how waterlilies are suited to grow in a pond? Can you put the following plants and animals in a food chain; grass, lion,	<u>Plants</u> Can you describe the function of four different parts of a plant? Can you name three things plants need to survive? Can you explain how bulbs grow into plants? Why is having a suitable temperature important when growing a plant? How do plants stay healthy?

	carnivore eat? Can you give an example of a carnivore? What type of foods do omnivores eat? Can you give an example of a omnivore?	conditions of a desert habitat? Can you explain how a polar bear is suited to living in a cold place?		for humans?	zebra? What is a consumer? Can you name three sources of food?	
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