

	Ongoing	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
		Biology Animals including humans	Chemistry Everyday Materials/ Properties of Materials , Rocks , States of Matter	Physics Living things/habitats Light / ,Sound	Electricity Forces and Magnets Seasonal Changes	Plants Living things and habitats	Animals including humans
Y1	Working Scientifically Observe changes across the 4 seasons Variation of day length Naming animals & their young Naming common plants	Identify & name common animals inc fish, amphibians, reptiles & birds Carnivores/herbivores omnivores (Plus Seasonal changes - Autumn)	Identify, name and describe materials Objects & what they are made from Compare and group materials (Plus Seasonal changes - Winter)	Revise naming common animals . Describe & compare the structure of a variety of common animals (fish, amphibians, birds & mammals inc pets)	Naming common wild and garden plants inc deciduous and evergreen trees (Seasonal changes - Spring)	Identifying plant structure Revising names of common flowering plants & Animals (and their young)	Identify, name and draw the basic parts of the human body and say which part of the body is associated with each sense. (Seasonal changes Summer)
Y2	Working Scientifically Name a variety of plants and animals and their offspring. Name /describe habitats of a variety of animals and plants.	Notice that animals inc humans have offspring which grows into adults. Find out and describe basic needs of animals.	Suitability / Changing materials Identify suitability of a variety of everyday materials inc wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Changing shape of materials	Explore / compare the dif between things that are living, dead & things that have never been alive . Identify plants, animals & their habitats . Identify suitable habitats that meet basic needs of plants and animals.	Identify suitable habitats that meet basic needs of plants and animals (ii) Describe how animals obtain their food from plants and other animals using simple food chain .	How seeds & bulbs grow / need of plants Find out and describe how plants need water, light and suitable temperature to grow	Describe the importance for humans of exercising, eating the right amounts of different types of food and hygiene.
Y3	Working Scientifically	Identify that animals inc humans , need the right types of nutrition and that they cannot make their own food; they get nutrition from what they eat.	Rocks/Fossils Compare and group together different kinds of rocks Describe in simple terms how fossils are formed and know soil is made from rocks & organic matter	Light Dark is the absence of light Reflection from surfaces Shadows	Forces and Magnets Compare how things move on different surfaces How magnets attract / repel	Function of parts of different parts of flowering plants : roots stem/trunk, leaves & flowers Investigate how water is transported in plants. Life cycle of flowering plant.	Identify that humans and some animals have skeletons and muscles for support, protection and movement.
Y4	Working Scientifically	Living Things Construct and interpret a variety of food chains identifying producers, predators and prey. Classification/ impact on the environment Living things can be grouped in a variety of ways Environments can change and pose a danger to living things.	States of Matter – Compare and group materials according to Solids, Liquids and Gases. Observe changes in state due to warming / cooling and measure in °C (Celsius) Identify the part played by evaporation and condensation in the water cycle.	Electricity Identify common appliances that run on electricity. Construct simple circuits identifying and naming basic parts including cells, wires bulbs. Identify if a circuit will work or not. Recognise how a switch works and construct a working model. Recognise common conductors and insulators	Sound Identify how sounds are made associate with something vibrating Recognise vibrations travel through a medium to the ear. Find & investigate Patterns linked to pitch, volume and travelling of sound.	Animals including Humans Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans & simple functions.	

Working Scientifically:

Years 1 & 2 Asking **simple questions** and recognising that they can be answered in different ways. **Observing** closely, using simple equipment. Performing simple **tests**. **Identifying and classifying**. **Using their observations** and ideas to suggest answers to questions. Gathering and **recording** data to help in answering questions.

Years 3 & 4 Asking **relevant questions** and using different types of scientific enquiry to answer them. Use straightforward **scientific evidence** to answer questions to support their findings. Make systematic and careful **observations** and where appropriate, taking accurate **measurements** using standard units, using a range of equipment, including thermometers and data loggers. Setting up simple practical **enquiries**, comparative and **fair tests**. **Identifying** differences, similarities or changes related to simple scientific ideas and processes. **Using results** to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions. **Recording** findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables. Gathering, recording, classifying and presenting **data** in a variety of ways to help in answering questions. **Reporting** on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.