

Cookridge Primary School: Year POS 3&4 Objectives – Science – LTP Cycle 2

The following objectives need to be secured in a range of scientific investigation.

Key Learning for Secure – Scientific Enquiry		Baseline	Aut 2	Spr 1	Spr 2	Sum 1	Final
ScIn1.2	I can ask relevant questions and I can set up simple practical enquiries, comparative and fair tests in order to find answers.						
ScIn2.2	I can gather and record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.						
ScIn3.2	I can gather, record, classify and present data in a variety of ways to help in answering questions.						
ScIn4.2	I can report on findings using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.						
ScIn5.2	I can identify differences, similarities or changes related to simple scientific ideas and processes.						
ScIn6.2	I can use straightforward scientific evidence to answer questions or to support my findings.						
							Attainment – Bel, EXS, GDS
Rocks	SC1.2	I can compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. (Y3)					Autumn 1
	SC2.2	I can recognise that soils are made from rocks and organic matter. (Y3)					
	SC3.2	I can describe in simple terms how fossils are formed when things that have lived are trapped within rock. (Y3)					
Electricity	SC4.2	I can identify common appliances that run on electricity. (Y4)					Autumn 2
	SC5.2	I can construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers, identifying whether a circuit will work or not according to its configuration. (Y4)					
	SC6.2	I can recognise some common conductors and insulators, and associate metals with being good conductors. (Y4)					
Animals, including humans	SC7.2	I can construct and interpret a variety of food chains, identifying producers, predators and prey. (Y4)					Spring 1
	SC8.2	I can identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. (Y3)					
	SC9.2	I can describe the simple functions of the basic parts of the digestive system in humans. (Y4)					
	SC11.2	I can identify that humans and some other animals have skeletons and muscles for support, protection and movement. (Y3)					Spring 2
	SC10.2	I can identify the different types of teeth in humans and their simple functions. (Y4)					
Plants	SC12.2	I can explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant. (Y3)					Summer 1
	SC13.2	I can identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers, investigating the way in which water is transported within plants. (Y3)					
	SC14.2	I can explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. (Y3)					