

Year 3 coverage sheet

Working scientifically

The working scientifically objectives will be ongoing throughout all topics.

- asking relevant questions and using different types of scientific enquiries to answer them
- setting up simple practical enquiries, comparative and fair tests
- making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- identifying differences, similarities or changes related to simple scientific ideas and processes
- using straightforward scientific evidence to answer questions or to support their findings.

Year 3 objectives	identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers	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	investigate the way in which water is transported within plants	explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	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	identify that humans and some animals have skeletons and muscles for support, protection and movement.
Topic and term covered						
Year 3 objectives	compare and group together different kinds of rocks on the basis of their appearance and simple physical properties	describe in simple terms how fossils are formed when things that have lived are trapped within rock	recognise that soils are made from rocks and organic matter.	recognise that they need light in order to see things and that dark is the absence of light.	recognise that the light from the sun can be dangerous and that there are words to protect their eyes.	notice that light is reflected from surfaces
Topic and term covered.						

Year 3 objectives	recognise that shadows are formed when the light from the light source is blocked by a solid object.	find patterns that determine the size of shadows.	compare how things move on different surfaces.	notice that some forces need contact between two objects, but magnetic forces can act at a distance	observe how magnets attract or repel each other and attract some materials and not others	compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
Topic and term covered.						
Year 3 objectives	describe magnets as having two poles	predict whether two magnets will attract or repel each other, depending on which poles are facing				
Topic and term covered.						