

Science Key Skills

Year 3

Working scientifically	To ask relevant questions and suggest a test that could answer them
	To make careful observations, taking accurate measurements
	To set up simple practical enquiries
	To report on findings explaining results and conclusions
	To present data in a variety of ways
	To use results to draw simple conclusions
Biology - Plants	To identify and describe the functions of different parts of flowering plants (flowers, leaf, stem, root)
	To explore the part that flowers play in the life cycle of flowering plants (including pollination, seed formation and seed dispersal)
	To know the requirements of plants for reproduction, germination, growth and survival
	To investigate how changing the living conditions of a plant will affect it
	To investigate the way in which water is transported within plants
	To identify that the needs of a plant may vary from plant to plant
Biology - animals including humans - bodies	To compare and contrast the diets of different animals
	To know about the need for food for activity and growth
	To know about the importance of an adequate and varied diet for health
	To know some of the organs involved in the digestive system
	To identify that humans, and some other animals, have skeletons for support and protection
	To identify that humans, and some other animals, have muscles for support and movement
Chemistry - Rocks	To identify and classify rocks based on their appearance and simple physical properties
	To compare different kinds of rock based on their appearance and simple physical properties
	To describe in simple terms how fossils are formed when things that have lived are trapped in sedimentary rock
	To explore different kinds of rocks and soils including those in the local environment
	To recognise that soils are made from rocks and organic matter
	To explore similarities and differences between different types of soil
Physics - Light	To know that we need light to see things
	To investigate what happens when light is reflected off a mirror or other reflective surface
	To know why it is important to protect their eyes from bright lights
	To recognise that shadows are formed when the light from a light source is blocked by a solid object
	To find patterns in the way that the size of shadows change
Physics - Forces and magnets	To compare how things move on different surfaces
	To notice that some forces need contact between two objects
	To know that magnets can work through other materials
	To predict whether magnets will attract or repel each other depending on which way the poles are facing
	To observe that magnets attract some materials and not others
	To compare and group materials on the basis of whether they are attracted to a magnet
	To describe magnets as having two poles