

# Science Key Skills

## Year 2

Working scientifically	To ask simple questions and understand that they can be answered in different ways
	To use observations and ideas to suggest answers to questions
	To carry out simple tests
	To identify and classify
	To gather and record data to help in answering questions
Biology - Plants	To identify and name a variety of common plants (including those classified as deciduous and evergreen)
	To be introduced to the parts of the plant that are necessary for reproduction
	To be introduced to the requirements of plants for reproduction, germination, growth and survival
	To sort a variety of common plants (including those classified as deciduous and evergreen)
	To observe the effect of different weather conditions on plants
	To observe and describe how seeds and bulbs grow into mature plants
	To investigate how plants need water, light and a suitable temperature to grow and stay healthy
	To study foods that come from plants (fruits, seeds, cereals, grasses, vegetables)
Biology - Living things and their habitats - classification	To explore and compare the differences between things that are living, dead and things that have never been alive
	To sort and classify things according to whether they are living, dead or have never been alive
	To be familiar with the life processes that are common to all living things
	To identify that most living things live in habitats which provide for their basic needs
	To know how different kinds of animals, plants and habitats depend on each other
	To identify and name a variety of plants and animals in their habitats, including micro-habitats
	To compare animals from familiar habitats with those from contrasting ones
	To describe how animals obtain their food from plants and other animals (using the idea of a simple food chain)
Chemistry - everyday materials	To be familiar with how some materials can be used for more than one thing
	To compare the uses of a variety of everyday materials (including wood, metal, plastic, glass, brick/rock and paper/card board)
	To describe materials using scientific language (absorbent/not absorbent, waterproof/not waterproof, transparent/opaque)
	To explain why an object should be made from a particular material rather than another
	To find out how the shapes of solid objects made from some materials can be changed (squashing, bending, twisting and stretching)
Biology - animals including humans - life cycles	To know the life cycle of some different animals
	To know the stages of human growth (baby, toddler, child, teenager, adult)
	To find out about and describe the basic needs of animals, including humans, for survival (food, water, air)
	To describe the importance for humans of exercise, eating the right amount of different food types and hygiene