



Science Core Skills - Lower Key Stage 2

I can ask relevant questions and use different types of scientific enquiry to answer them.	
I can set up simple practical enquiries - comparative and fair tests.	
I can make systematic and careful observations and, where appropriate, take accurate measurements using standard units and a range of equipment.	
I can gather, record, classify and present data in a variety of ways.	
I can record my findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables and report on my findings.	
I can use my results to draw simple conclusions, make predictions & suggest improvements.	
I can use scientific evidence to answer questions or support my findings.	
YEAR 3	YEAR 4
I can identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.	I can name and describe the functions of the main parts of the digestive system
I can describe the requirements of plants for life and growth.	I can construct and interpret food chains, identifying producers, predators and prey.
I can identify that animals need the right types and amounts of nutrition and they get nutrition from what they eat.	I can explain how environmental changes may have an impact on living things
I can identify that humans and some animals have skeletons and muscles for support, protection and movement.	I can describe the characteristics of different states of matter and group materials on this basis; and describe how materials change state at different temperatures, using this to explain everyday phenomena, including the water cycle
I can group and identify materials, including rocks and recognise that soils are made from rocks and describe how fossils are formed.	I can use the idea that sounds are associated with vibrations, and that they require a medium to travel through, to explain how sounds are made and heard
I can recognise that I need light to see things and know that light is reflected from surfaces.	I can describe the relationship between the pitch of a sound and the features of its source; and between the volume of a sound, the strength of the vibrations and the distance from its source
I know how shadows are formed and that the size of shadows change.	I can construct a simple series electrical circuit, identifying and naming its basic parts.
I can describe the effects of simple forces that involve contact that act at a distance (magnetic forces, including those between like and unlike magnetic poles)	I can recognise some common conductors and insulators.

