

Dale Hall Primary School

Skills Progression overview



Subject: Science

LKS2 Year 3 & 4 Topic Coverage and Progression

Topic	Year 3	Year 4
Plants	Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, 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.	
Animals,	Identify that animals, including humans, need the right types and amount of nutrition, and	Describe the simple functions of the basic parts of the digestive system in humans. E.
including	that they cannot make their own food; they get nutrition from what they eat.	mouth, tongue, teeth, oesophagus, stomach and small and large intestine.
humans		Identify the different types of teeth in humans and their simple functions.
	Identify that humans and some other animals have skeletons and muscles for support, protection and movement.	Construct and interpret a variety of food chains, identifying producers, predators and prey.
Living things		Recognise that living things can be grouped in a variety of ways. (vertebrate animals
and their		into groups such as fish, amphibians, reptiles, birds, and mammals; and invertebrates
habitats		into snails and slugs, worms, spiders, and insects)
ilabitats		Explore and use classification keys to help group, identify and name a variety of living
		things in their local and wider environment.
		Recognise that environments can change and that this can sometimes pose dangers living things.
Rocks	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.	
Light	Recognise that we need light in order to see things and that dark is the absence of light.	
Ü	Notice that light is reflected from surfaces.	
	Recognise that light from the sun can be dangerous and that there are ways to protect their	
	eyes.	
	Recognise that shadows are formed when the light from a light source is blocked by an	
	opaque object. Find patterns in the way that the size of shadows change.	
Ганала О	Compare how things move on different surfaces.	
Forces &	Notice that some forces need contact between two objects (push/pull), but magnetic forces	
Magnets	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.	
	Describe magnets as having two poles.	



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Ke Hiv	Predict whether two magnets will attract or repel each other,	
	depending on which poles are facing.	
Sound		Identify how sounds are made, associating some of them with something vibrating.
		Recognise that vibrations from sounds travel through a medium to the ear.
		Find patterns between the pitch of a sound and features of the object that produced it.
		Find patterns between the volume of a sound and the strength of the vibrations that
		produced it.
		Recognise that sounds get fainter as the distance from the sound source increases.
States of Matter		Compare and group materials together, according to whether they are solids, liquids or
		gases.
		Observe that some materials change state when they are heated or cooled, and
		measure or research the temperature at which this happens in degrees Celsius (°C).
		Identify the part played by evaporation and condensation in the water cycle and
		associate the rate of evaporation with temperature.
Electricity		Identify common appliances that run on electricity.
		Construct a simple series electrical circuit, identifying and naming its basic parts,
		including cells, wires, bulbs, switches and buzzers.
		Identify whether or not a lamp will light in a simple series circuit, based on whether or
		not the lamp is part of a complete loop with a battery.
		Recognise that a switch opens and closes a circuit and associate this with whether or not
		a lamp lights in a simple series circuit
		Recognise some common conductors and insulators, and associate metals with being
		good conductors.