

Science Overview - Year 3



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Forces and Magnets	Animals (including humans)	Rocks	Plants	Light	
NC links	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	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 other animals have skeletons and muscles for support, protection and movement.	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.	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	Recognise that they need light in order to see things and that dark is the absence of light. 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.	

	the basis of whether they are attracted to a magnet, and identify some magnetic materials. Describe magnets as having two poles. Predict whether two magnets will attract or repel each other, depending on which poles are facing.			plants Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	
Skill breakdown	Compare, Observe, describe, predict,	Identify, grouping, comparing, exploring, observing, research	Compare, group, describe, recognise	Identify, describe, Explore, Investigate	Recognise, Observe
Key vocabulary	Forces, magnetic force, attract, repel, magnetic materials ,contact, magnetic poles, friction, resist/resistance	Nutrition, nutrients, skeleton, muscles, support, protection, protein, carbohydrates, vitamins/minerals	Rocks, physical properties, fossil, soil, organic matter, organism, sedimentary, metamorphic, igneous	Roots, stem/trunk, leaves, flowers, transportation, pollination, seed formation, seed dispersal, nutrients	Reflect/reflection, opaque, transparent, translucent, shadow, block, source, luminous, natural/artificial
Scientific equipment			microscope		Data loggers - light