

Pegswood Primary School

Year 3 Coverage

Science



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Year Group Coverage - Science



Year 3						
		Plants	Animals & Humans (Health & Movement)	Rocks & Soils	Light	Forces and Magnets
Topic Objectives	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 the plant.	✓				
	Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	✓				
	Identify that animals including humans, need the right type 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 types of rocks on the basis of their appearance and basic physical properties.				✓	
	Describe in simple terms how fossils are formed then things that have lived are trapped within rock.				✓	
	Recognise that soils are made from rocks and organic matter.				✓	
	Recognise that they need light in order to see things and that dark is the absence of light.					✓

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Notice that light is reflected from the 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 an object blocks a light source.				✓	
Find patterns in the way that the size of shadows change.				✓	
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 the basis of whether they are attracted to a magnet, and identify some magnetic materials.					✓
Describe magnets have two poles.					✓
Predict whether two magnets will attract or repel each other depending on which poles they are facing.					✓

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Working Scientifically	Asking relevant questions and using different types or scientific enquiries to answer them.	✓		✓		✓
	Setting up simple and practical enquiries, comparative and fair tests.	✓		✓	✓	✓
	Making systematic and careful observations and where appropriate, taking accurate measurements using standard units using a range of equipment such as thermometers and data loggers.	✓		✓	✓	✓
	Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.	✓	✓	✓	✓	✓
	Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables.	✓	✓	✓		✓
	Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.	✓		✓	✓	✓
	Reporting on findings from enquiries, including written and oral explanations, displays or presentations of results and conclusions.		✓	✓		✓
	Identifying differences, similarities or changes related to simple scientific ideas and processes.				✓	
	Using straightforward scientific evidence to answer questions or support their findings.				✓	✓