

<u>A19</u>





			Year 1 and 2	Year 3 and 4	Year 5 and 6
Asking questions	Understand 'why' questions, like: "Why do you think the caterpillar got so fat?"	Ask questions to find out more and to check they understand what has been said to them.	Ask simple questions and recognise that they can be answered in different ways.	Ask relevant questions and use different types of scientific enquiries to answer them. Set up simple practical enquiries, comparative and fair tests.	Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
Measuring and recording	Use all their senses in hands-on exploration of natural materials. (Understanding the world) Explore how things work. (Understanding the world) Use one-handed tools and equipment. (Physical development) Choose the right resources to carry out their own plan. For example, choosing a spade to enlarge a small hole they dug with a trowel. (Physical development) Make comparisons between objects relating to size, length, weight and capacity. (Mathematics) Compare quantities using language: 'more	Explore the natural world around them. (Understanding the world) Describe what they see, hear and feel whilst outside. (Understanding the world) Develop their small motor skills so that they can use a range of tools competently, safely and confidently. (Physical development) Count objects, actions and sounds. (Mathematics) Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen.	Ask relevant questions and use different types of scientific enquiries to answer them. Set up simple practical enquiries, comparative and fair tests.	make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers. Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. Gather, record, classify and present data in a variety of ways to help in answering questions.	Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate. Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.

	than', 'fewer than'.	(Communication and			
	(Mathematics) Select	language)			
	and use activities and	Show resilience and			
	resources, with help	perseverance in the			
	when needed. This	face of challenge.			
	helps them to achieve	Connect one idea or			
	a goal they have	action to another using			
	chosen, or one which is	a range of connectives.			
	suggested to them.	(Communication and			
	Talk about what they	language) Describe			
	see, using a wide	events in some detail			
	vocabulary.				
	(Understanding the				
	world)				
	Create closed shapes				
	with continuous lines.				
	and begin to use these				
	shapes to represent				
	objects.				
	(Understanding the				
	world) Draw with				
	increasing complexity				
	and detail, such as				
	representing a face				
	with a circle and				
	including details. (				
	Make comparisons	Listen to and talk about			
	between objects	selected non-fiction to			
	relating to size, length,	develop a deep		Identify differences similarities	
	weight and capacity.	familiarity with new		or changes related to simple	Identify scientific evidence that has been
	(Mathematics)	knowledge and		scientific ideas and processos	used to support or refute ideas or
	Compare quantities	vocabulary.	Identify and classify	Report on findings from	arguments
	using language: 'more	(Communication and	Use their observations and	enquiries including oral and	Report and present findings from
Concluding	than', 'fewer than'	language) Connect one	ideas to suggest answers to	written explanations, displays or	enquiries including conclusions causal
concluding		idea or action to		procentations of results and	rolationships and explanations of and
		another using a range	questions	conclusions	degree of trust in results in and
		of connectives.		conclusions. Use straightforward scientific evidence to answer questions or to support their findings.	written forms such as displays and other
		(Communication and			presentations
		language) Describe			presentations.
		events in some detail.			
		(Communication and			
		language) Compare			

	length capaci (Math childre	th, weight and icity. :hematics) • The Iren t		
Evaluating			Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.	Use test results to make predictions to set up further comparative and fair tests.