

		Working scientifically progression									
EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6					
EYFS ELG: The Natural World Children at the expected level of development will: • Explore the natural world around them, making observations and drawing pictures of animals and plants. • Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. • Understand some important processes and changes in the natural world around them, including the seasons and	 asking simple que they can be answ observing closely, performing simple identifying and cla using their observanswers to questi 	estions and recognising that ered in different ways using simple equipment e tests assifying vations and ideas to suggest ions ording data to help in	 asking relevant quetypes of scientific expressions setting up simple promparative and fare making systematic and, where appropring measurements using range of equipment thermometers and gathering, recording presenting data in in answering quest recording findings language, drawings bar charts, and tab reporting on finding including oral and vertical displays or present conclusions using results to drawake predictions for improvements and identifying different changes related to and processes 	estions and using different enquiries to answer them practical enquiries, air tests and careful observations priate, taking accurate ing standard units, using a part, including I data loggers ing, classifying and a variety of ways to help cions using simple scientific ings from enquiries, written explanations, eations of results and in we simple conclusions, for new values, suggest in raise further questions inces, similarities or simple scientific ideas ard scientific evidence to	 planning different to enquiries to answer recognising and connecessary taking measurement scientific equipment accuracy and precise readings when app recording data and complexity using scalabels, classification graphs, bar and lined using test results to up further comparate reporting and presentations including relationships and endegree of trust in reforms such as displaymentations 	rypes of scientific r questions, including ntrolling variables where onts, using a range of st, with increasing sion, taking repeat ropriate results of increasing sientific diagrams and skeys, tables, scatter e graphs o make predictions to set ative and fair tests enting findings from g conclusions, causal explanations of and a results, in oral and written ays and other					



	Key wor	king scientifically vocabulary	PHOTO MARKE COT TRIMMO SANCO.				
То	То	То	То				
question	observe	measure	enquire				
answer	identify	classify	analyse				
describe	sort	conclude	evaluate				
group	record	present					
explore	test	investigate	variables				
,	predict	, and the second	control				
	compare	similarities	classification				
		differences	precise				
	equipment	results	reliable				
	chart	fair test	scatter graph				
	bar chart	method	line graph				
	diagram	key	interpret				
	data	table	discrete				
		bar graph	continuous data				
		result	theory				
		research	hypothesis				
		i escaron	Trypo areas				
	Asking questions and recogn	ising that they can be answered in diffe	rent ways				
I can ask questions .	I can ask simple questions	I can ask relevant questions and use different	I can plan different types of scientific enquiries				
		types of scientific enquiries to answer them	to answer questions, including recognising and				
			controlling variables where necessary.				
	Making obser	vations and taking measurements					
I can describe objects,	I can observe closely using simple equipment	I can make systematic and careful observations	I can take measurements using a range of				
materials and living			scientific equipment, with increasing accuracy				
things.		I can take accurate measurements using a	and precision.				
Lana assalasa tha		range of equipment, including thermometers					
I can explore the world around me.		and data loggers.	I can take repeat readings when appropriate.				
world around me.	Function in our						
The state of the s	Engaging in practical enquiry to answer questions						
I can put objects into	I can perform simple tests and investigations	I can set up simple practical enquiries and	I can plan different types of scientific enquiries				
groups	I can identify and sort different objects,	investigations using comparative and fair tests.	to answer questions, including recognising and controlling variables where necessary.				
	materials and living things.		controlling variables where necessary.				
		ing and procenting evidence	<u> </u>				
Recording and presenting evidence							



	I can gather and record data to help in answering questions	I can gather, record , classify and present data in a variety of ways. I can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.	I can record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
	Answer	ing questions and concluding	
I can answer simple questions. I can find patterns .	I can use my observations and ideas to suggest answers to questions	I can use straightforward scientific evidence to answer questions. I can identify differences, similarities or changes.	I can report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms.
	Evaluating and ra	ising further questions and predictions	
	I can make predictions	I can use results to draw simple conclusions , make predictions for new values, suggest improvements and raise further questions.	I can use test results to make predictions to set up further comparative and fair tests. I can evaluate my findings.