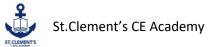


## Scientific Enquiry Curriculum End points

Intent	To develop inquisitive children who are excited about investigating with curiosity, "How can scientific enquiry explain the world?" Exploring answers by gathering and analysing evidence.		
Pupils are enabled to:	Enquire, record and report, developing and evaluating explanations through experimental evidence		
EYFS	KS1	Lower KS2	Upper KS2
By the end of Reception	By the end of Year 2	By the end of year 4	By the end of year 6
Children answer 'how' and 'why' questions about their experiences and in response to	Ask simple questions	Ask relevant questions.	Plan enquiries, including recognising and controlling variables where necessary.
stories or events.	Observe closely, using simple equipment.	② Set up simple, practical enquiries and	
They develop their own narratives and	Perform simple tests	comparative and fair tests.	<ul><li>Use appropriate techniques, apparatus, and materials during fieldwork and</li></ul>
explanations by connecting ideas or events.	② Use observations and ideas to suggest answers to questions.	Make accurate measurements using standard units, using a range of equipment.	laboratory work.
Children know about similarities and	·		Take measurements, using a range of
differences in relation to places, objects,	② Gather and record data.	② Gather, record, classify and present data	scientific equipment, with increasing
materials and living things.		in a variety of ways.	accuracy and precision.
② They make observations of animals and		Record findings using simple scientific	Record data and results of increasing
plants and explain why some things occur,		language, drawings, labelled diagrams, bar	complexity using scientific diagrams and
and talk about changes.		charts and tables.	labels, classification keys, tables, bar and
		☑ Report on findings from enquiries,	line graphs, and models.
		including oral and written explanations,	Report findings from enquiries, including
		displays or presentations of results and	oral and written explanations of results,
		conclusions.	explanations involving causal relationships,
			and conclusions.
		Use results to draw simple conclusions	
Working scientifically vocabulary:	As previous plus:	As previous plus:	As previous plus:
What? How? Why? Same, different,	Similar, difference, best and worst , plan,	Gradually, identify, observe, recognise	Hypothesis, variables, constants, evaluate,
look closely, bigger and smaller, change,	changes, biggest and smallest, compare,	investigate, record, units, table, fair testing,	plan, conclude, interpret, classify,
observe, watch, touch, feel, smell, listen, same, different, compare, ask questions,	sorting, groupings, observe, change, slowly, quickly, describe, name, identify, label,	evidence, research, length, observations prediction, similarities, differences,	categorise, database ,enquiry, control, repeat, support, refute ,degree of trust
record, sort, group	record, measure, pattern, notice, cycle,	research, source, scientists, discovery,	,scatter graph, pattern, relationship,
, 1000. a, 501.t, group	predict, same, different, data, results,	process, cycle, measurements, conclude	prediction, analyse , conclude, rank
	drawing, table, block graph, pictogram,	evaluate, accurate, rank, plan, vary, keep	,variable, key, relationship, line graph,
	Venn diagram, ask questions, test,	the same/constant, bar graph ,table, tally,	independent variable, evidence, justify,
	investigate, explore, equipment, resources,	thermometer, data logger, stopwatch,	argument, causal relationship, accuracy,
	magnifying glass, hand lens, ruler, tape	timer, estimate, data, diagram,	precision, force meter



## Scientific Enquiry Curriculum End points

measure, metre stick, pipette, syringe, spoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources	identification key, chart, similarity, findings, values, properties, characteristics, conclusion, explanation, reason, improve	