



St. Alban Catholic Schools' Partnership

	Subject: Science (Working Scientifically)							
Years: 1-6								
YEAR GROUP	EYFS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	
Asking questions and recognising that they can be answered in different ways		Asking simple questions and recognising that they can be answered in different ways.	 Asking simple questions and recognising that they can be answered in different ways. 	Asking relevant questions and using different types of scientific enquiries to answer them.	Asking relevant questions and using different types of scientific enquiries to answer them.	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.	Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.	
Making observations and taking measurements	Learn new vocabulary with particular reference to scientific topics and enquiry skills e.g. problem, question, sunlight, sunset, plant, bud, baby etc.	Observing closely, using simple equipment.	Observing closely, using simple equipment.	Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.	Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.	Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.	Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.	
Engaging in practical enquiry to	Ask questions to find out more and to check what has been said to them. Make comments about what they have heard and ask	Performing simple tests.	 Performing simple tests. 	Setting up simple practical enquiries, comparative and fair tests.	Setting up simple practical enquiries, comparative and fair tests.	Planning different types of scientific enquiries to answer questions, including recognising and	Planning different types of scientific enquiries to answer questions, including recognising and	





St. Alban Catholic Schools' Partnership

answer	questions to clarify				controlling	controlling.variables
questions	their				variables where	where necessary
Recording and presenting evidence	understanding. Articulate their ideas and thoughts in well-formed sentences. Describe events in some detail. Use talk to work out problems and organise thinking and activities. Explain how things work and why they might happen. Use new vocabulary in different contexts.	• Gathering and recording data to help in answering questions.	Gathering and recording data to help in answering questions.	 Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions. Recording findings using simple scientific language drawings Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions. Recording findings using simple scientific language drawings 	Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line	Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
				language, drawings, labelled diagrams, keys, bar charts, and tables. language, drawings, labelled diagrams, keys, bar charts, and tables.	graphs.	
Answering		Using their	Using their	• Using • Using	 Identifying 	 Identifying
questions and		observations	observations	straightforward straightforward	scientific	scientific
_ ·		and ideas to	and ideas to	scientific scientific	evidence that	evidence that
concluding		suggest	suggest	evidence to evidence to	has been used	has been used
				answer answer	to support or	to support or





St. Alban Catholic Schools' Partnership

	answers to	answers to	questions or to	questions or to	refute ideas	refute ideas or
	questions.	questions.	support their	support their	or arguments.	arguments.
		·	findings.	findings.	Reporting and	Reporting and
			 Identifying 	Identifying	presenting	presenting
			differences,	differences,	findings from	findings from
			similarities or	similarities or	enguiries,	enguiries,
			changes	changes	including	including
			related to	related to	conclusions,	conclusions,
			simple	simple	causal	causal
			scientific ideas	scientific ideas	relationships	relationships
			and processes.	and processes.	and	and
			 Using results to 	 Using results to 	explanations	explanations of
			draw simple	draw simple	of and degree	and degree of
			conclusions,	conclusions,	of trust in	trust in results,
			make	make	results, in oral	in oral and
			predictions for	predictions for	and written	written forms
			new values,	new values,	forms such as	such as displays
			suggest	suggest	displays and	and other
			improvements	improvements	other	presentations.
			and raise	and raise	presentations.	
			further	further		
			questions.	questions.		
Evaluating and			 Using results to 	 Using results to 	 Reporting and 	 Reporting and
raising further			draw simple	draw simple	presenting	presenting findings
_			conclusions, make	conclusions, make	findings from	from enquiries,
questions and			predictions for new	predictions for new	enquiries,	including
predictions			values, suggest	values, suggest	including	conclusions, causal
•			improvements and	improvements and	conclusions,	relationships and
			raise further	raise further	causal	explanations of and
			questions.	questions.	relationships and	degree of trust in
			 Using results to 	 Using results to 	explanations of	results, in oral and
			draw simple	draw simple	and degree of	written forms such
			conclusions, make	conclusions, make	trust in results, in	as displays and
			predictions for new	predictions for new	oral and written	





St. Alban Catholic Schools' Partnership

		values, suggest improvements and raise further questions.	values, suggest improvements and raise further questions.	forms such as displays and other presentations. Using test results to make predictions to set up further comparative and fair tests.	other presentations. Using test results to make predictions to set up further comparative and fair tests.
Communicating their findings		Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.	Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.	• Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.	Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.