



mary 5								Train y
Working	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Scientifically								
Development	Comments and asks	Children should know						
Matters	questions about aspects of	about similarities and						
	their familiar world such as	differences in relation to						
	the place where they live or	places, objects, materials						
	the natural world. Can talk	and living things. They						
	about some of the things	should talk about						
	they have observed such a	features of their own						
	plants, animal, natural and	immediate environment						
	found objects Talks about	and how environments						
	why things happen and	might vary from one						
	how things work.	another. They should						
	Developing and	make observations of						
	understanding of growth,	animals and plants and						
	decay and changes over	explain why some things						
	time. Shows care and	occur, and talk about						
	concern for living things	changes.						
	and the environment.							
Planning				Can recognise simple	Is beginning to use	Can use different	Answer questions by	Develop lines of
				questions can be	different scientific	scientific enquiry	planning different	enquiry by asking
				answered in different	enquiry types to	types to answer/ask	scientific enquiries.	questions based on
				ways.	answer/ask relevant	relevant questions.	Recognise and control	prior knowledge and
					questions.	Set up simple, fair and	variables when	real-life observations.
					Set up simple, fair and	practical tests	appropriate	NA alica mana di ati a ma considera
					practical tests		Make predictions	Make predictions using
							using text results to	scientific knowledge
							set up further fair and	and understanding.
Doing			Can compare	Is using simple	Is haginning to make	Can make systematic	comparative tests.  Draw conclusions by	Test predictions by
Doing			Can compare similarities and	Is using simple	Is beginning to make systematic and careful	and careful	identifying patterns	selecting, planning and
			difference with	equipment Observe closely,	observations using	observations using	through interpreting	carrying out a range of
			regards to objects,	perform simple tests	standard units, make	standard units, make	observation,	scientific enquiries'
			materials, living things	and identify and	accurate	accurate	measurement and	scientific enquiries
			and places observe	classify	measurement using a	measurement using a	data in relation to	
			animals and plants	ciussiiy	range of equipment	range of equipment	prediction and	
			ammuis and plants		range or equipment	range or equipment	hypothesise present	
							reasoned	
							explanations. Show	
							understanding of	
							potential sources of	
							error by using	
Reviewing				Can gather and record	Is beginning to gather,	Can record, classify	Record results of	Using a range of
				data to support	record, classify and	and present data to	increasing complexity	methods for different
				answering questions	present data to	answer questions in a	and present	investigations, make
					answer questions in a	variety of ways. Use	observations and data	and record
					variety of ways. Use	simple scientific	using appropriate	observations and
					simple scientific	language, drawings,	methods, e.g.	measurement and
					language, drawings,	labelled diagrams,	scientific diagrams,	evaluate the reliability
					labelled diagrams,	keys, bar charts and	classification keys,	of these methods and
					keys, bar charts and			suggest improvement.



	St Philips
18	Primary SECO

						Train y
			table to record	table to record	tables, scatter, bar	
			findings.	findings.	and line charts	
	Can discuss	Can suggest answers	Is beginning to form	Can form enquiries	Record and present	Draw conclusions by
	differences between	to questions using	enquiries report on	report on finding,	findings including	identifying patterns
	own environment and	observations made.	finding, explaining and	explaining and	conclusions,	through interpreting
	others and explain		present results or	present results or	relationships and	observations,
	why some things		conclusions, draw	conclusions, draw	explanation.	measurement and data
	happen and how it		simple conclusions	simple conclusions		in relation to prediction
	changes.		from results, make	from results, make	Identify scientific	and hypothesise
			predictions, suggest	predictions, suggest	evidence to support	present reasoned
			improvement to	improvement to	or refute scientific	explanations
			answer further	answer further	ideas or arguments.	
			questions.	questions.		Show understanding of
			Identify differences,	Identify differences,		potential sources of
			similarities and	similarities and		error by using to
			changes related to	changes related to		evaluate data.
			scientific ideas and	scientific ideas and		
			process.	process.		
		differences between own environment and others and explain why some things happen and how it	differences between own environment and others and explain why some things happen and how it	Can discuss differences between own environment and others and explain why some things happen and how it changes.  Can suggest answers to questions using observations made.  Is beginning to form enquiries report on finding, explaining and present results or conclusions, draw simple conclusions from results, make predictions, suggest improvement to answer further questions. Identify differences, similarities and changes related to scientific ideas and	Can discuss differences between own environment and others and explain why some things happen and how it changes.  Can discuss differences between own environment and others and explain why some things happen and how it changes.  Can suggest answers to questions using observations made.  observations made.  observations made.  observations made.  observations made.  observations made.  ofindings.  Is beginning to form enquiries report on finding, explaining and present results or conclusions, draw simple conclusions from results, make predictions, suggest improvement to answer further questions. Identify differences, similarities and changes related to scientific ideas and	Can discuss differences between own environment and others and explain why some things happen and how it changes.  Can discuss differences between own environment and others and explain why some things happen and how it changes.  Can suggest answers to questions using observations made.  Seguining to form enquiries report on finding, explaining and present results or conclusions, draw simple conclusions from results, make predictions, suggest improvement to answer further questions. Identify differences, similarities and changes related to scientific ideas and