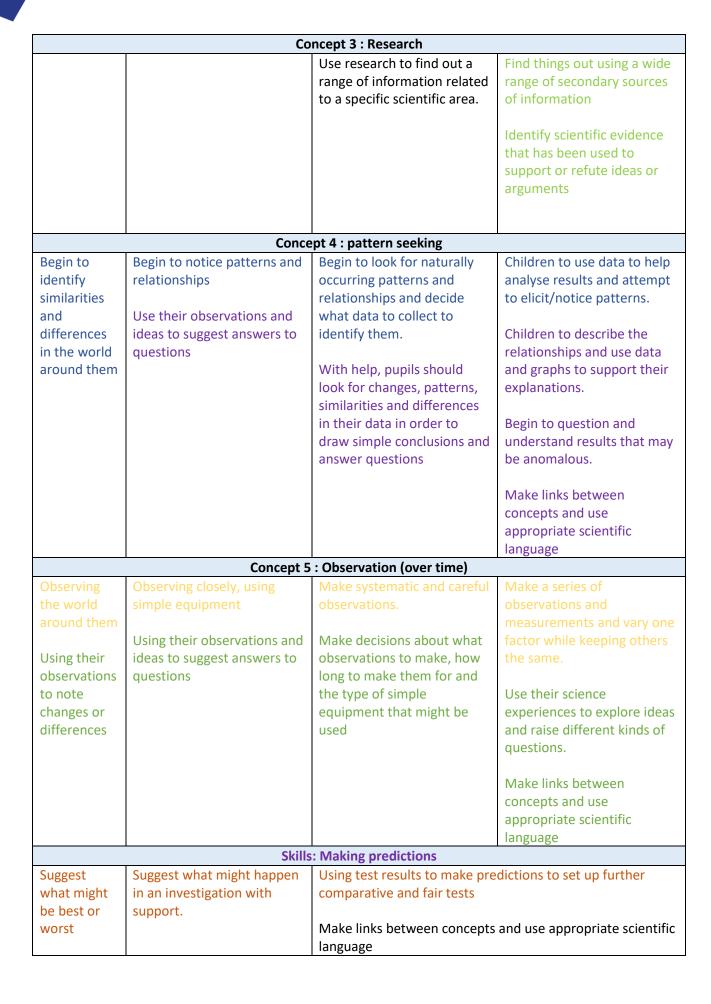


St Columb Minor Academy Disciplinary Knowledge Progression EYFS/KS1/KS2 /Working Scientifically

<u>EYFS</u>	<u>Year 1</u>	<u>Year 2</u>	Year 3	Year 4	Year 5	<u>Year 6</u>		
		Concept 1 :	comparative an	d fair testing				
	Perform and experience simple tests	Perform simple and experience comparative and fair tests	Set up simple practical enquiries, comparative and fair tests	Set up simple practical enquiries, Recognise when a simple fair test is necessary and help descide how to set it up. decide how to set up a fair test	Set up an investigation when it is appropriate appropriate approach including using a fair test to answer a question Select suitable equipment	Set up an investigation when it is appropriate Decide on an appropriate approach including using a fair test to answer a question Know which type of investigation is needed to suit a particular scientific enquiry Select suitable equipment that is adequate to the task		
		Concept 2 : ider	htifying, groupir	g and classifyir	l Ig			
Begin to identify similarities and differences in the world around them.	We can identify by describing it in detail. We can classify by sorting objects or events into groups or categories.	Identify, group and classify according to a given criteria	Group information according to common factors. Group and classify and recognise patt appropriate ways of presenting		patterns using			





scientific l	ance they can use anguage to Make lini eir findings language	ks between concepts and use appropriate scientific
		te in discussions about how scientific ideas have d over time

Key vocabulary: Working Scientifically



Year 1: What...? How? Why ...? similar different best and worst change plan look biggest and smallest compare sort and group

Year 2: Observe change slowly quickly describe name identify label record measure bigger and smaller pattern notice cycle predict

Year 3: Gradually identify observe recognise investigate record units table fair evidence research length observations prediction

Year 4: Similarities differences research and source scientists discovery process cycle measurements conclude evaluate rank plan vary keep the same/constant bar graph table tally

Year 5: Classify interpret pattern relationship prediction analyse interpret conclude evaluate rank variable constants control repeat key relationship line graph

Year 6: Hypothesis variable constants evaluate plan conclude interpret classify categorise database enquiry control repeat support refute degree of trust scatter graph

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