SCIENCE			YEAR 1	YEAR 2	YEAR 3	YEAR 4	Upper KS2 (Y5 and Y6	5)
		RECEPTION						
QUESTION		Ask simple questions about	-		Identify scientific questions. ie can be		Raise scientific questions and	
		immediate environment.	answered using scientific enquiry.		investigated through scientific enquiry.		hypothesise	
≿	OBSERVE	Qualitative	Qualitative and Simple Quantitative		Qualitative and Quantitative		Qualitative and Quantitative	
H		Talk about	Observe change	Measure change	Systematic/	Accurate	Accurate/ precise	Take repeat
d l		similarities and differences.	over time.	over time e.g. plant	careful	measurements.	measurements,	readings when
C ENQUIRY			Use Senses/	growth. Select	observations. Use	Use time graphs	Diagrams, tables,	appropriate.
			equipment.	equipment	bar charts,	and other graphs.	bar and line graphs.	Scatter graphs.
FIC					pictograms, tables.			
SCIENTIFIC	CLASSIFY and FIND PATTERNS	Talk and Sort	Identify and Classify		Classify and Find Patterns		Classify and Find Patterns	
		Use simple scientific criteria.	e.g. familiar	e.g. living/ dead/	Classify animals/	Use simple	Use complex	Develop
Ū			plants, animals,	never alive;	materials. Link two	classification keys.	classification keys.	classification keys.
S			materials	materials	variables e.g. the	Link two variables		Identify evidence
				_	closer the magnet	e.g. the more cells	Identify causal	that supports/
			Compare and	Compare	the bigger the	in a circuit, the	relationships.	refutes causal
			contrast	differences	force.	brighter the bulb.		relationship.
	CONTROL	Explore objects/ materials/ living things/ resources designed to model scientific processes.	Simple comparative tests		Comparative and fair tests		Design own comparative and fair tests	
	INVESTIGATIONS: comparative and fair testing		e.g. What is the	e.g. What if plants	Predict. Fair	Predict. Language	Identify when and how to use tests.	
			best material	do not get light	tests e.g. How	of independent	Recognise and control variables.	
			for an	and water?	does distance	and control	Make predictions based on previous test	
			umbrella?		affect magnet	variable.	results.	
	DECEMBEL		e: 1		strength?		· · · ·	
	RESEARCH	Listen and respond to	Find	Select information	Research using	Select information	Explore relevant information by using a wide range of secondary sources.	
		<pre>stories about scientific processes/ events/ objects.</pre>	information	from a range of	given sources. e.g. research different	to support findings.		-
		processes/ events/ objects.	using given sources. e.g.	given sources.	food groups and	e.g. research	Explore how	Identify evidence
			animals.		-	animals	scientific ideas	that has been used
			uninuis.		healthy	uninuis	have developed	to support or
			• ·		-		over time.	refute ideas.
	MODEL		Concrete	Explore and create	Abstract contexts	Abstract contexts	Abstract contexts.	Abstract contexts.
		Concrete context.	context		e.g. processes and phenomena such	e.g. processes and phenomena such		
			Durandia	drawings and	as forces/ light.	as sound/	Evaluate diagrams/	Create own
		Create drawings and models	Draw diagrams	physical models	Use labelled	electricity. Create	models e.g. states	versions of models.
		of their	e.g. parts of plants/ the	e.g. habitats.	diagrams and	labelled diagrams	of matter; solar	e.g. circulatory
		environment	body.		drawings and	and drawings and	system.	system; light.
			bouy.		physical models.	physical models.		
					physical models.	physical models.		

CONCLUDE	Explain	Describe what	Explain why a	Explain an observation or an event in	Evaluate original hypothesis against
	simple phenomena:	has happened	simple observation	scientific terms. Distinguish between	observed evidence and reach
	How? Why?	or been	occurred.	what has been observed and why it	appropriate conclusions. Identify causal
		observed.	Evaluate the	happened. Begin to link evidence from	relationships. Begin to identify how
			effectiveness of	secondary sources as well as primary.	reliable the data is.
			observations.	Suggest improvements.	