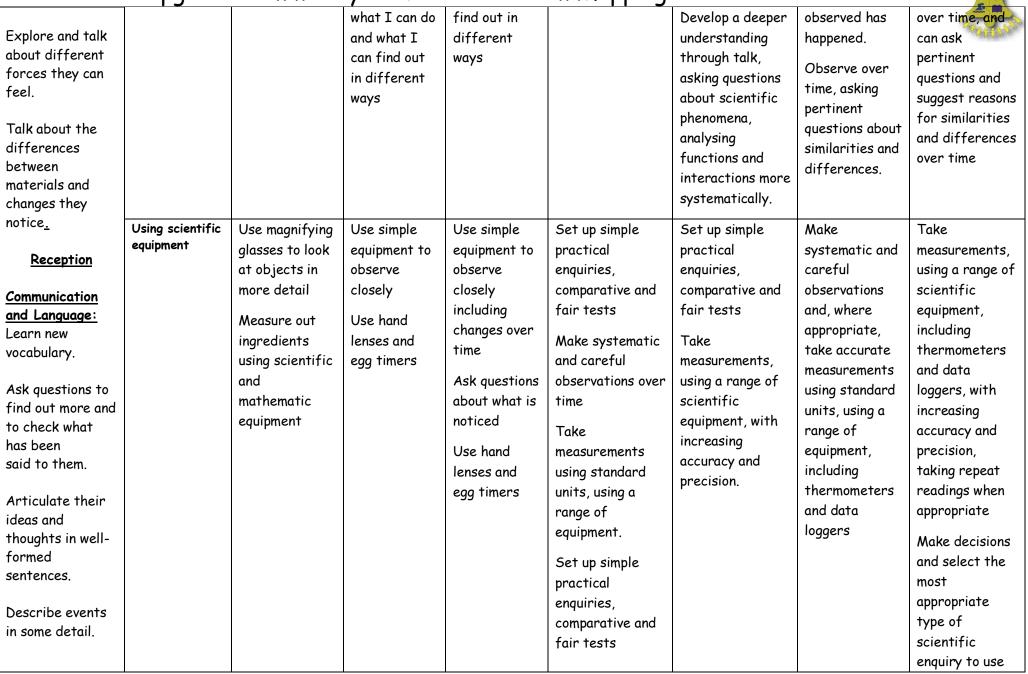


Early Years	Areas of	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Learning							
Three- and Four-Year Olds Communication and Language: Understand 'why' questions, like: "Why do you think the caterpillar got so fat?" Physical Development: Make healthy choices about food, drink, activity and toothbrushing. Understanding the World: Use all their senses in hands- on exploration of natural materials. Explore collections of	Experimental skills Observe over time Pattern seeking Identifying, classifying and grouping Comparative and Fair test Research using secondary sources	Observe changes over time Observe changes and patterns Identify and classify Perform simple tests Perform a fair test with adult support	Observe changes over time Observe changes and patterns Identify and classify Perform simple tests Perform a fair test with adult support	Use simple equipment to observe closely including changes over time Use observations and ideas to suggest answers to questions noticing similarities, differences and patterns Identify, group and classify Perform simple comparative tests	Make systematic and careful observations over time Ask questions surrounding patterns found in data. Gather, record, classify and present data in a variety of ways Set up simple practical enquiries, comparative and fair tests Use secondary sources with adult support to help clarify results seen.	Make systematic and careful observations over time, looking at similarities and differences. Ask questions surrounding patterns found in data. Gather, record, classify and present data in a variety of ways to help in answering questions Set up simple practical enquiries, comparative and fair tests Use secondary sources with adult support to	Observe over time, asking pertinent questions about similarities and differences. Ask questions surrounding patterns found in data as to why something observed has happened. Classify, group and present data in a series of ways to help in answering questions Take measurements, using a range of scientific equipment, with increasing	Recognise things change over time, and can ask pertinent questions and suggest reasons for similarities and differences over time Ask questions surrounding patterns found in data as to why something observed has happened. Develop and use keys and other information to classify and describe objects in ways to help answer questions



	Stepgutes	Communi	y School	Curricult	in Mupping	JUIENCE LI		- True
materials with				Gather and		help clarify	accuracy and	Take 🦉 😽
similar and/or				record data		results seen.	precision.	measurements,
different				to help in			Use secondary	using a range of
properties.				answering			,	scientific
				questions			sources to help	equipment, with
Talk about what				including			interpret	increasing
they see, using a				from			results seen.	accuracy and
wide vocabulary.				secondary				precision,
Desin to make				sources of				taking repeat
Begin to make sense of their				information				readings when
own life-story								appropriate
and family's								
history.								Use secondary
								sources to help
Explore how								interpret
things work.								results seen.
		Ask simple	Ask simple	Ask simple	Ask relevant	Ask relevant	Plan different	Plan different
Plant seeds and	Questions	questions	questions and	questions and	questions to	questions and use	types of	types of
care for growing		1	recognise	recognise	answer my	different types	scientific	scientific
plants.			that they can	that they can	questions in	of scientific	enquiries to	enquiries to
			be answered	be answered	different ways	enquiries to	answer	answer my own
Understand the			in different	in different	using scientific	answer them	questions,	or others'
key features of the life cycle of a			ways	ways including	language from	using scientific	including	questions,
plant and an				use of	the national	language from	recognising	including
animal.			Use my	scientific	curriculum.	the national	variables where	recognising and
			observations	language from		curriculum	necessary	controlling
Begin to			and ideas to	the national	Ask questions		necessury	variables where
understand the			suggest	curriculum	surrounding	Ask questions	Ask questions	necessary
need to respect			answers to		patterns found in	surrounding	surrounding	necessury
and care for the			questions	Communicate	data.	patterns I have	patterns found	
natural			Communicat-	ideas, what I		found in data.	in data as to	Desseries
environment and			Communicate	can do and			why something	Recognise
all living things.			my ideas,	what I can				things change





		oonnan	7		an mapping			2
Use talk to work out problems and organise thinking and activities. Explain how	Recording data	Record	Gather and	Gather and	Gather, record,	Gather, record,	Record data	and recognise- how to set up a comparative and fair test. Record data
things work and		observations in	record data	record data	classify and	classify and	and results	and results of
why they might		ways that are	to help in	to help in	present data in a	present data in a	using scientific	increasing
happen.		important and meaningful to	answering questions	answering questions	variety of ways.	variety of ways to help in	diagrams and labels,	complexity using scientific
Use new vocabulary in different contexts. Physical Development: Know and talk about the different factors that support their overall health and wellbeing: -regular physical activity -healthy eating -toothbrushing -sensible amounts of 'screen time' -having a good sleep routine -being a safe pedestrian		me.	Use simple scientific language such as: with help	including from secondary sources of information	Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	answering questions Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	classification keys, tables, scatter graphs, bar and line graphs Use test results to set up further comparative and fair tests	diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs Use test results to make predictions to set up further comparative and fair tests
	Reporting on findings				Identify differences, similarities or changes related to simple scientific ideas and processes	Identify differences, similarities or changes related to simple scientific ideas and processes	Identify scientific evidence that has been used to support or refute ideas or arguments	Justify and evaluate my own and other people's scientific ideas related to topics in the national curriculum



		/			(in alu din a dia a
Understanding			Use	Use	(including ideas that have
the World:			straightforward	ose straightforward	changed over
Explore the			-	-	-
natural world			scientific	scientific	time), using
around them.			evidence to	evidence to	evidence from a
around mem.			answer questions	answer questions	range of
Describe what			or to support my	or to support my	sources
they see, hear			findings	findings	
and feel while					
they are outside.					
mey are ourside.					
Recognise some					
environments					
that are					
different to the					
one in which they					
live.					
Understand the					
effect of					
changing seasons					
on the natural					
world around					
them.					
ELG					
Communication					
and Language					
(Listening,					
Attention and					
Understanding)					
Make comments					
about what they					



	erepgures	Communi	ourriculd	in Mapping	Science 20	- The second
have heard and						
ask questions to						NEW RY
clarify their						
understanding						
PSED (Managing						
<u>Self):</u>						
Manage their own						
basic hygiene and						
personal needs,						
including						
dressing, going to						
the toilet and						
understanding						
the importance						
of healthy food						
choices.						
<u>Understanding</u>						
the World (The						
Natural World):						
Explore the						
natural world						
around them,						
making						
observations and						
drawing pictures						
of animals and						
plants.						
Know some						
similarities and						
differences						
between the						
natural world						
around them and						

	Stepgates	Communit	ty School	Curriculu	ım Mapping:	Science 20	022-2023	serve the Community Schart
contrasting								A COM
environments,								A STATION
drawing on their								
experiences and								
what has been								
read in class.								
Understand some								
important								
processes and								
changes in the								
natural world								
around them,								
including the								
seasons and								
changing states								
of matter.								