Long Term Plan for Mathematics

The curriculum for mathematics aims to ensure that all children:

- become fluent in mathematics, so that children develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- reason mathematically using the correct mathematical language
- can solve problems by applying their mathematics to problems and persevere in seeking solutions

To enable our children to develop this knowledge and skills, we use The Mastery Approach to teaching. This approach enables children to learn key mathematical concepts at a deeper level as more time is spent exploring and investigating. These key skills are revisited throughout the year, allowing children to continuously review their understanding and support them to remember long term the content they have been taught and to integrate new knowledge into larger ideas. Although the curriculum is divided into specific areas of maths, our curriculum is planned and sequenced to enable all pupils to develop fluency, mathematical reasoning and problem solving skills by making rich connections across mathematical ideas.

During the autumn term all children from Nursery to Year 6 will focus their learning on number and place value and move through the different domains of maths at the depth and pace appropriate to their age and level of development. The expectation is that the majority of children within each year group will move through the programmes of study at broadly the same pace. Pupils who grasp concepts rapidly will be challenged through rich and sophisticated problems before any acceleration to new content. Those who are not sufficiently fluent will consolidate their understanding through additional practice, before moving on.

Domains of maths in sequence for teaching focus										
Number and	Addition and	Multiplication	Fractions	Decimals	Percentages	Measurement	Geometry	Statistics	Ratio and	Algebra
Place Value	Subtraction	and Division							Proportion	
(YN - Y6)	(YN - Y6)	(Y1 - Y6)	(Y1 - Y6)	(Y3 - Y6)	(Y5 - Y6)	(YN - Y6)	(YN - Y6)	(Y2 - Y6)	Y6 only	Y6 only
Counting	Mental	Times tables	Recognise,	Counting	Identify	Compare,	Use the correct	Interpret data	Solve problems	Use simple
	methods	and related	name and		percentages	describe and	vocabulary to	using bar charts,	involving the	formulae
Read and		division facts	draw fractions	Identify	as part of a	solve practical	describe patterns,	pictograms and	relative sizes of	
write numbers	Formal		of shapes,	decimals as	whole number	problems	position and	tables	two shapes or	Generate and
using	written	Formal	quantities and	parts of	and	involving height,	direction		quantities	describe linear
numerals and	methods	written	measures	whole	understand	length, mass,		Ask and answer		number sequences
words		methods		numbers	their decimal	capacity, money	Recognise and	questions using	Solve problems	
	Solve		Compare and	linked to	and fraction	and time	describe the	data including	involving scale	Express missing
Identify and	contextual	Solve	order fractions	place value	equivalents		properties of	finding the	factor of shapes	number problems
describe	problems	contextual	(Y2 - Y6)			Know and use	shape	difference and	using coordinate	algebraically
patterns	using addition	problems		Compare	Compare and	the correct		totalling	grids	
within	and	using	Recognise	and order	order	standard units	Describe and			Find pairs of
numbers	subtraction	multiplication	equivalent	fractions	fractions,	of measurement	measure angles	Interpret and	Solve problems	numbers that
	e.g. involving	and division	fractions	and	decimals and	(Y2 - Y6)	and turns	present	using unequal	satisfy an
Solve	measurement,	e.g. involving	(Y2 - Y6)	decimals	percentages		(Y3- Y6)	continuous data	sharing	equation with two
problems	money and	measurement,				Convert		using		unknowns
using number	time	money and	Solve problems	Solve	Solve	between	Describe lines	appropriate		
facts and		time	involving	problems	problems	different units	using the correct	graphical		Solve problems
place value			fractions	involving	involving	of measurement	vocabulary and	methods		involving algebra
			(Y2 - Y6)	decimals	decimals	(Y3 - Y6)	recognise lines of	(Y5- Y6)		
							symmetry			
							(Y3- Y6)			