St Peter's CE (VA) Primary School

Year 4 Long Term Maths Plan – Mastery Curriculum

	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	Wk 13	Wk 14	Wk 15
Autumn		**N1** Number: Place value				**N2** Number: Addition and Subtraction			**M1** Measurement: Length and Perimeter		**N3** Number: Multiplication and Division				
Spring	**N4** Number: Multiplication and Division			**M 2**Measurement: Area		**N5** Number: Fractions			**N6** Number: Decimals			Consolidation			
Summer	**N7** Number: Decimals		**M3** Measurement: Money		**M4** Measurement: Time		**S1** Statistics	**G1** Geometry: Properties of Shape		**G2** Geometry: Position and Direction		Consolidation			

Adapted from White Rose maths

Year 4									
N1	Number: Place Value (4wks)	**A** count in multiples of, 25 and 1000	**B** find 1000 more or less than a given number	**C** recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	**D** order and compare numbers beyond 1000	**E** identify, represent and estimate numbers using different representation	**F** round any number to the nearest 10, 100 or 1 000	**G** solve number and practical problems that involve all of the above and with increasingly large positive numbers	**H** *Count backwards through zero to include negative numbers*
N2	Number: Addition and subtraction (3wks)	**A** add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate		**B** estimate and use inverse operations to check answers to a calculation		**C** solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why			
N3	Number: Multiplication and Division (3wks)	**A** recall multiplication and division facts for multiplication tables up to 12 × 12		**B** *count in multiples of 6, 7, 9,*		**C** use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers		**D** solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit,	
N4	Number: Multiplication and Division (3wks)	**A** recall multiplication and division facts for multiplication tables up to 12 × 12	**B** use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers		**C** recognise and use factor pairs and commutativity in mental calculations		**D** multiply two-digit and three-digit numbers by a one-digit number using formal written layout		**E** solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

N5	Number: Fractions (4wks)	**A** recognise and show, using diagrams, families of common equivalent fractions	**B** count up and down in hundredths recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	**C** solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	**D** add and subtract fractions with the same denominator
N6	Number: Decimals (3wks)	**A** recognise and write decimal equivalents of any number of tenths or hundredths	**B** find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	**C** solve simple measure and money problems involving fractions and decimals to two decimal places.	**D** convert between different units of measure (e.g. kilometre to metre)
N7	Number: Decimals (2wks)	**A** compare numbers with the same number of decimal places up to two decimal places	**B** round decimals with one decimal place to the nearest whole number	**C** recognise and write decimal equivalents to $^{1}/_{4}$; $^{1}/_{2}$; $^{3}/_{4}$	**D** find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
G1	Geometry: Properties of Shape (3wks)	**A** identify acute and obtuse angles and compare and order angles up to two right angles by size	**B** compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	**C** identify lines of symmetry in 2-D shapes presented in different orientations	**D** complete a simple symmetric figure with respect to a specific line of symmetry
G2	Geometry: Position and Direction (1wks)	**A** describe positions on a 2-D grid as coordinates in the first quadrant	**B** describe positions on a 2-D grid as coordinates in the first quadrant	**C** describe movements between positions as translations of a given unit to the left/right and up/down	
M1	Measurement: Length and Perimeter (1wks)	**A** measure and calculate the **perimeter** of a rectilinear figure (including squares) in centimetres and metres	**B** convert between different units of measure (e.g. kilometre to metre		
M2	Measurement: Area (1wks)	**A** find the area of rectilinear shapes by counting squares			
M3	Measurement: Money (2wks)	**A** estimate, compare and calculate different measures, including money in pounds and pence	**B** solve simple measure and money problems involving fractions and decimals to two decimal places.		
M4	Measurement: Time (1wks)	**A** read, write and convert time between analogue and digital 12 and 24-hour clocks	**B** solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days		
S1	Statistics	**A** interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	**B** solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.		