St Peter's CE (VA) Primary School

Year 3 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					**N3** Number: Multiplication and Division					
Spring	**N4** Number: Multiplication and Division			**M1** Measurement: Money	**S1** Statistics		**M2** Measurement: Length and Perimeter			**N5** Number: Fractions		Consolidation			
Summer	**N6** Number: Fractions			**M3** Measurement: Time			**G1** Geometry: Properties of Shape		**M4** Measurement: mass and capacity			Consolidation			

Adapted from White Rose maths

Year 3								
N1	Number: Place Value (3wks)	**A** identify, represent and estimate numbers using different representations	**B** find 10 or 100 more or less than a given number	**C** recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	**D** compare and order numbers up to 1000	**E** read and write numbers up to 1000 in numerals and in words	**F** solve number problems and practical problems involving these ideas.	**G** count from 0 in multiples of 4, 8, 50 and 100;
N2	Number: Addition and subtraction (5wks)	**A** add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds	**B** add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	**C** estimate the answer to a calculation and use inverse operations to check answers	**D** solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction			
N3	Number: Multiplication and Division (3wks)	**A** *count from 0 in multiples of 4, 8, 50 and 100*	**B** recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	**C** write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	**D** solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects			
N4	Number: Multiplication and Division (3wks)	**A** recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	**B** write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods	**C** solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects				
N5	Number: Fractions (2wks)	**A** count up and down in tenths recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10.	**B** recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	**C** recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denomi	**D** solve problems that involve all of the above			

N6	Number: Fractions (3wks)	**A** recognise and show, using diagrams, equivalent fractions with small denominators	**B** compare and order unit fractions, and fractions with the same denominators	**C** add and subtract fractions with the same denominator within one whole (e.g. $^{5}/_{7} + {}^{1}/_{7} = {}^{6}/_{7}$)	**D** solve problems that involve all of the above	
G1	Geometry: Properties of Shape (2wks)	**A** recognise angles as a property of shape or a description of a turn	**B** identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle	**C** identify horizontal and vertical lines and pairs of perpendicular and parallel lines	**D** draw 2-D shapes and make 3-D shapes using modelling materials;	**E** recognise 3-D shapes in different orientations and describe them
M1	Measurement: Money (1wks)	**A** add and subtract amounts of **money** to give change, using both £ and p in practical contexts				
M2	Measurement: Length and Perimeter (3wks)	**A** measure, compare, add and subtract: **lengths** (m/cm/mm);		**B** measure the **perimeter** of simple 2-D shapes		
M3	Measurement: Time (3wks)	**A** tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	**B** estimate and read time with increasing accuracy to the nearest minute;	**C** record and compare time in terms of seconds, minutes, hours	**D** use vocabulary such as o'clock a.m./p.m., morning, afternoon, noon and midnight	**E** know the number of seconds in a minute and the number of days in each month, year and leap year	**F** compare durations of events, for example to calculate the time taken by particular events or tasks
M4	Measurement: Mass and Capacity (3wks)	**A** measure, compare, add and subtract: **mass** (kg/g); **volume/capacity** (l/ml)				
S1	Statistics (2wks)	**A** interpret and present data using bar charts, pictograms and tables		**B** solve one-step and two-step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.		