

Junior School Mathematics Curriculum and Progression

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Place Value

White Rose MATHS Whole School						
Place Value						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
<p>WR Reception Match, Sort and Compare</p> <p>LI – to match objects (same and different)</p> <p>LI – to match pictures and objects (Same and different)</p> <p>LI – to identify a set of same and different</p> <p>LI – to sort objects by type</p> <p>LI – to explore sorting techniques</p> <p>LI – to create sorting rules</p> <p>LI – to compare amounts using more/less vocabulary</p>	<p>WR Y1 Place Value (within 10) Taught in P1 and P2</p> <p>LI – to sort objects using various rules</p> <p>LI – to count objects up to 10</p> <p>LI – to count objects from a larger group</p> <p>LI – to represent objects on a 10 frame up to 10</p> <p>LI - to recognise numbers as words (from 0-10)</p> <p>LI – to count on from any number (up to 10)</p> <p>LI – to find one more within 0-10</p> <p>LI – to count backwards within 10</p> <p>LI – to find one less within 0-10</p> <p>LI – to compare groups by matching</p> <p>LI – to recognise fewer, more and the same</p> <p>LI – to demonstrate less than, greater than and equal to using concrete materials</p> <p>LI – to compare numbers using less than, greater than and equal to from 0-10</p> <p>LI – to order objects and numbers (smallest to greatest, most to fewest and vice versa)</p> <p>LI – to use a number line (up to 10)</p> <p>End of block assessment</p>	<p>WR Y2 Place Value</p> <p>LI – to recognise and make all numbers to 20 using concrete materials and a number track</p> <p>LI – to count objects to 100 by making 10s</p> <p>LI – to recognise and make numbers from tens and ones</p> <p>LI – to use a place value chart to recognise and create numbers to 100</p> <p>LI – to partition numbers to 100</p> <p>LI – to write numbers to 100 in words</p> <p>LI – to flexibly partition numbers to 100</p> <p>LI – to write numbers to 100 in expanded form</p> <p>LI – to use 10s on a number line to 100</p> <p>LI – to use 10s and 1s on a number line to 100</p> <p>LI – to estimate numbers on a number line to 100</p> <p>LI – to compare numbers represented as objects using less than, greater than and equal to (0-100)</p> <p>LI – to compare numbers using less than, greater than and equal to (0-100)</p> <p>LI – to order objects and numbers using smallest, greatest, most and fewest (0-100)</p> <p>LI – to count in 2s, 5s and 10s</p> <p>LI – to count in 3s</p> <p>End of block assessment</p>	<p>WR Y3 Place Value</p> <p>LI – to represent numbers up to 100</p> <p>LI – to partition numbers up to 100</p> <p>LI – to identify intervals and place numbers on a number line up to 100</p> <p>LI – to introduce hundreds up to 1000</p> <p>LI – to represent numbers up to 1000</p> <p>LI – to partition numbers up to 1000</p> <p>LI – to partition numbers flexibly up to 1000</p> <p>LI – to (partition) numbers up to 1000 in hundreds, tens and ones</p> <p>LI – finding 1, 10 or 100 more up to 1000</p> <p>LI - identify intervals and place numbers on a number line up to 1000</p> <p>LI – to estimate where numbers go on a number line up to 1000</p> <p>LI – to compare numbers up to 1000</p> <p>LI – to order numbers up to 1000</p> <p>LI – to count in 50s</p> <p>End of block assessment</p>	<p>WR Y4 Place Value</p> <p>LI – to represent numbers up to 1000 (counters, Dienes, part wholes)</p> <p>LI – to partition numbers up to 1000</p> <p>LI – to use a number line up to 1000</p> <p>LI – to understand 10,000 is ten thousands</p> <p>LI – to represent numbers to 10,000</p> <p>LI – to partition numbers up to 10,000</p> <p>LI – to partition numbers flexibly up to 10,000</p> <p>LI – to find 1, 10, 100 or 1000 more or less</p> <p>LI – to use a number line up to 10,000</p> <p>LI – to estimate on a number line to 10,000</p> <p>LI – to compare numbers to 10,000</p> <p>LI – to round to the nearest 10</p> <p>LI – to round to the nearest 100</p> <p>LI – to round to the nearest 1000</p> <p>LI – to round to the nearest 10, 100 or 1000</p> <p>LI – to introduce Roman Numerals</p> <p>End of block assessment</p>	<p>WR 5 Place Value</p> <p>LI – Roman numbers to 1000</p> <p>LI – to revise numbers up to 10,000 (adapt lesson)</p> <p>LI – to ‘explore’ numbers up to 100,000</p> <p>LI – to ‘explore’ numbers up to 1,000,000</p> <p>LI – to read and write numbers up to 1,000,000</p> <p>LI – to ‘explore’ the power of 10</p> <p>LI – to find 10, 100, 1000, 10000 and 100000 more or less of a given digit</p> <p>LI – to partition numbers to 1,000,000</p> <p>LI – to estimate the number on a number line up to 1,000,000</p> <p>LI – to compare and order numbers to 100,000</p> <p>LI – to compare and order numbers to 1,000,000</p> <p>LI – to round to the nearest 10, 100 or 1000</p> <p>LI – to round within 100,000</p> <p>LI – to round within 1,000,000</p> <p>End of block assessment</p>	<p>WR Y6 Place Value</p> <p>LI – to revise numbers in 1,000,000</p> <p>LI – to identify numbers to 10,000,000</p> <p>LI – to read and write numbers to 10,000,000</p> <p>LI – to explore the power of 10</p> <p>LI – to mark numbers up to 10,000,000 on a number line</p> <p>LI – to compare and order integers (up to 10,000,000)</p> <p>LI – to round any integer to nearest 10, 100, 1000, 10,000, 100,000 and 1 million.</p> <p>LI – to use a number line to investigate negative numbers to -10</p> <p>End of block assessment</p>

<p>WR Reception It's Me 1,2,3 (2-3 lessons)</p> <p>LI – Find 1, 2, 3 (to match a digit to its concrete and pictorial representation)</p> <p>LI – to subitise numbers 1, 2, 3</p> <p>LI – to count objects (1, 2 and 3)</p> <p>LI – one more within 1, 2, 3</p> <p>LI – one less within 1, 2, 3</p> <p>LI – composition of 1, 2, 3 (known as number family)</p>	<p>WR Y1 Place Value (within 20) Taught in P1 and P2</p> <p>LI – to count within 20</p> <p>LI – to understand 10 (number families to 10)</p> <p>LI – to use concrete materials to represent 10-13 on (ten frame, counting beads, Numicon, unifix cubes)</p> <p>LI – to use concrete materials to represent 14, 15 and 16 (ten frame, counting beads, Numicon, unifix cubes)</p> <p>LI - to use concrete materials to represent 17, 18 and 19 (ten frame, counting beads, Numicon, unifix cubes)</p> <p>LI – to use concrete materials to understand and represent 20</p> <p>LI – to identify one more and one less from numbers 11-20</p> <p>LI – to explore the number line to 20</p> <p>LI – to use the number line to 20</p> <p>LI – to estimate on a number line to 20</p> <p>LI – to compare numbers up to 20 using less than and greater than</p> <p>LI – to order numbers to 20</p> <p>End of block assessment</p>					
<p>WR Reception 1, 2, 3, 4, 5</p> <p>LI – Find 4 and 5 (to match a digit to its concrete and pictorial representation)</p> <p>LI – to subitise 4 and 5</p> <p>LI – to count objects (4 and 5)</p> <p>LI – one more within 4 and 5</p> <p>LI – one less within 4 and 5</p> <p>LI – composition of 4 and 5 (known as number family)</p>	<p>WR Y1 Place Value (within 50)</p> <p>LI – to count from 20-50</p> <p>LI – to recognise and make 20, 30, 40 and 50 using Base 10</p> <p>LI – to count by recognising and making groups of 10</p> <p>LI – to make and count groups of tens and ones</p> <p>LI – to partition numbers into tens and ones (0-50)</p>					

	<p>LI – to use a number line up to 50</p> <p>LI – to estimate on a number line to 50</p> <p>LI – to find one more and one less within 0-50</p> <p>End of block assessment</p>					
<p>WR Reception Alive in 5</p> <p>LI – to introduce zero and understand what it represents</p> <p>LI – to subitise 0-5 (through pictorial representations, without counting)</p> <p>LI – to represent 0-5 using objects</p> <p>LI – to find one more within 0-5</p> <p>LI – to find one less within 0-5</p> <p>LI - composition of 1, 2, 3, 4, 5 (known as number family. Conceptual subitising).</p>	<p>WR Y1 Place Value (within 100)</p> <p>LI – to count from 50-100</p> <p>LI – to count in tens and ones to 100</p> <p>LI – to partition numbers into tens and ones (0-100)</p> <p>LI – to use and estimate on a number line up to 100</p> <p>LI – to find one more and one less within 0-100</p> <p>LI – to compare numbers with the same number of tens (0-100)</p> <p>LI – to compare any two numbers (0-100)</p> <p>End of block assessment</p>					
<p>WR Reception Growing 6, 7, 8</p> <p>LI – to identify 6, 7 and 8 as pictorial representations</p> <p>LI – to represent 6, 7 and 8</p> <p>LI – one more within 6, 7 and 8</p> <p>LI – one less within 6, 7 and 8</p> <p>LI – composition of 6, 7 and 8 (known as number family)</p> <p>LI – to make odd and even pairs</p> <p>LI – to make doubles (find a double to 8 – can they spot it?)</p> <p>LI – to make a double (say a double of the number to 8).</p>						

<p>LI – to combine two groups up to 8 (almost like adding up to 8)</p> <p>LI – to split numbers into two parts up to 8 (conceptualised subitise, part/whole models)</p>						
<p>WR Reception Building 9 and 10</p> <p>LI - Find 9 and 10 (to match a digit to its concrete and pictorial representation)</p> <p>LI – to compare numbers to 10 (number families)</p> <p>LI – to represent 9 and 10</p> <p>LI – to split numbers into two parts up to 10 (conceptualised subitise, part/whole models)</p> <p>LI – to find one more with numbers up to 10</p> <p>LI – to find one less with numbers up to 10</p> <p>LI – to explore the composition of numbers 0-10 (known as number family. Conceptual subitising).</p> <p>LI – to find number bonds of 10</p> <p>LI – to make arrangements of 10 (all number families to 10)</p> <p>LI – to make 10 using 3 parts/numbers</p> <p>LI – to find doubles to 10 (identifying the doubles)</p> <p>LI – to make doubles to 10 (making the doubles)</p> <p>LI – to explore odd and even numbers up to 10</p>						
<p>WR Reception To 20 and Beyond</p> <p>LI – to build numbers between 10-13 (e.g., 10 + 1, 10 + 2, 10 + 3=)</p> <p>LI – to count beyond 10 (up to 13)</p>						



LI – to build numbers between 14-20 (to match number to pictorial, then visuals of 10+??)

LI – to find numbers before, after and between up to 20.

LI – to verbally count over 20 (up to 50?)

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Addition and Subtraction

White Rose MATHS Whole School						
Addition and Subtraction						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
<p>WR Reception How many now?</p> <p>LI – to add more within 10 using counters</p> <p>LI – to recognise how many have been added on by using counters (0-10)</p> <p>LI – to subtract (using take away) within 10 using counters</p> <p>LI – to recognise how many objects have been taken away by using counters (0-10)</p>	<p>WR Y1 Addition and subtraction (within 10) Taught in P1 and P2</p> <p>LI – to introduce parts and wholes within 10 (to understand that a number is made up of other numbers)</p> <p>LI – to introduce the part-whole model</p> <p>LI – to complete number sentences using the plus and equals symbols</p> <p>LI – to investigate number fact families (0-10)</p> <p>LI – to explore the number bonds within 10</p> <p>LI – to work systematically to identify number bonds to 10</p> <p>LI – to work systematically to identify all the number bonds to 10</p> <p>LI – to add by bringing two parts together (add together)</p> <p>LI – to add by counting on (add more)</p> <p>LI – to solve addition problems</p> <p>LI – to find a missing part of a part-whole model (empty sets)</p> <p>LI – to use subtraction to find a missing part (introduce subtraction symbol)</p> <p>LI – to complete fact families (with 8 facts)</p> <p>LI – to subtract (take away) by crossing out</p> <p>LI – to subtract (take away) to find how many are left</p> <p>LI – to subtract using a number line</p>	<p>WR Y2 Addition and subtraction</p> <p>LI – to revise number bonds to 10</p> <p>LI – to revise addition and subtraction bonds within 20</p> <p>LI – to find related facts (ones related to tens)</p> <p>LI – to explore number bonds to 100</p> <p>LI – to add and subtract 1-digit numbers from 2-digit numbers (add and subtract ones)</p> <p>LI – to add by making 10</p> <p>LI – to add three 1-digit numbers</p> <p>LI – to add to the next multiple of 10</p> <p>LI – to add across a 10</p> <p>LI – to subtract across a 10</p> <p>LI – to subtract from a 10</p> <p>LI – to subtract a 1-digit number from a 2-digit number (across a 10)</p> <p>LI – to find 10 more and 10 less of a 2-digit number</p> <p>LI – to add and subtract 10s from a 2-digit number</p> <p>LI – to add two 2-digit numbers (not across a 10)</p> <p>LI – to add two 2-digit numbers (across a 10)</p> <p>LI – to subtract two 2-digit numbers (not across a 10)</p> <p>LI – to subtract two 2-digit numbers (across a 10)</p> <p>LI – to complete mixed addition and subtraction calculations</p>	<p>WR Y3 Addition and subtraction</p> <p>LI – to apply numbers within 10</p> <p>LI – to add and subtract in the 1s</p> <p>LI – to add and subtract in the 10s</p> <p>LI – to add and subtract in the 100s</p> <p>LI – to spot patterns within adding and subtracting (in 1s, 10s and 100s)</p> <p>LI – to add 1s across a 10</p> <p>LI – to add 10s across a 100</p> <p>LI – to subtract 1s across a 10</p> <p>LI – to subtract 10s across a 100</p> <p>LI – to make connections across 1s, 10s and 100s</p> <p>LI – to add two 2-digit and/or 3-digit numbers with no exchange</p> <p>LI – to subtract two 2-digit and/or 3-digit numbers with no exchange</p> <p>LI – to add two 3-digit numbers across a ten (1 exchange)</p> <p>LI – to add two 3-digit numbers across a hundred (1 exchange)</p> <p>LI – to subtract 3-digit numbers across a ten (1 exchange)</p> <p>LI – to subtract 3-digit numbers across a hundred (1 exchange)</p> <p>LI – to add 2-digit and 3-digit numbers</p> <p>LI – to subtract a 2-digit number from a 3-digit number</p> <p>LI – to find complements to 100 (number bonds to 100)</p>	<p>WR Y4 Addition and subtraction</p> <p>LI – to add and subtract 1s, 10s, 100s and 1000s</p> <p>LI – to add up to two 4-digit numbers with no exchange</p> <p>LI – to add up to two 4-digit numbers with one exchange</p> <p>LI – to add up to two 4-digit numbers with more than one exchange</p> <p>LI – to subtract two 4-digit numbers with no exchange</p> <p>LI – to subtract two 4-digit numbers with one exchange</p> <p>LI – to subtract two 4-digit numbers with more than one exchange</p> <p>LI – to find the most efficient method of subtraction</p> <p>LI – to use rounding to estimate answers</p> <p>LI – to use inverse operations to check answers</p> <p>End of block assessment</p>	<p>WR Y5 Addition and subtraction</p> <p>LI – to use strategies to add and subtract mentally (up to 100,000)</p> <p>LI – to add whole numbers with more than 4 digits</p> <p>LI – to subtract whole numbers with more than 4 digits</p> <p>LI – to round integers to check answers</p> <p>LI – to use inverse operations to solve calculations</p> <p>LI – to solve addition and subtraction multi-step problems</p> <p>LI – to compare addition and subtraction calculations</p> <p>LI – to find missing numbers within addition and subtraction calculations</p> <p>End of block assessment</p>	<p>WR Y6 Addition, subtraction, multiplication and division</p> <p>LI – add and subtract integers up to 1,000,000</p> <p>LI – to find common factors</p> <p>LI – to find common multiples</p> <p>LI – to investigate rules of divisibility</p> <p>LI – to identify prime numbers up to 100</p> <p>LI – to identify square and cubed numbers</p> <p>LI – to multiply a 4-digit number by a 2-digit number</p> <p>LI – to solve multiplication problems</p> <p>LI – to divide 2-, 3- and 4-digit numbers by 1 digit</p> <p>LI – to divide using factors</p> <p>LI – to introduce long division (3 and 4 digits by 2 digits)</p> <p>LI – to calculate long division with remainders (3 and 4 digits by 2 digits)</p> <p>LI – to solve division problems</p> <p>LI – to solve multi-step problems</p> <p>LI – to use order of operations to solve calculations (BODMAS)</p> <p>LI – to use strategies to calculate mentally, including estimation</p> <p>LI – to use a given known fact to calculate another calculation, across the 4 operations</p> <p>End of block assessment</p>

	<p>LI – to add or subtract one or two</p> <p>End of block assessment</p>	<p>LI – to compare number sentences</p> <p>LI - to complete missing number problems</p> <p>End of block assessment</p>	<p>LI – to estimate answers to addition and subtractions calculations</p> <p>LI – to use inverse operations to check addition and subtraction questions</p> <p>LI – to make decisions on the best addition or subtraction method to use to calculate questions</p> <p>End of block assessment</p>			
	<p>WR Y1 Addition and subtraction (within 20)</p> <p>LI – to add by counting on within 20</p> <p>LI – to add numbers within 20 by using known number bonds 1-10</p> <p>LI – to find and make number bonds to 20</p> <p>LI – to recognise and find doubles</p> <p>LI – to explore near doubles</p> <p>LI – to subtract using knowledge of number bonds</p> <p>LI – to subtract by counting back</p> <p>LI - to subtract by finding the difference</p> <p>LI – to explore and complete fact families up to 20</p> <p>LI – to complete missing number problems</p> <p>End of block assessment</p>					

Multiplication and Division

White Rose MATHS Whole School						
Multiplication and Division						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
WR Reception – Sharing and Grouping LI - to explore sharing equally LI – to explore equal sharing into groups LI – to explore grouping LI – to explore different ways of grouping the same amount LI – to relate sharing to odd and even numbers LI – to play with and build doubles up to 10	WR Y1 Multiplication and Division Taught in P1 and P2 LI – to count in 2s LI – to count in 10s LI – to count in 5s LI – to recognise equal groups LI – to add equal groups of 2s, 5s and 10s (lots of lessons needed here) LI – to make and count arrays LI – to make doubles to 20 and beyond LI – to make equal groups by grouping LI – to make equal groups by sharing End of block assessment	WR Y2 Multiplication and Division LI – to recognise equal groups LI – to make equal groups LI – to add equal groups LI – to introduce the multiplication symbol LI – to create multiplication sentences LI – to use arrays to show multiplication calculations LI – to make equal groups by grouping LI – to make equal groups by sharing LI – to multiply by 2 (2 x table) LI – to divide by 2 LI – to relate doubling and halving to the 2 x table LI – to revise odd and even numbers and relate to the 2 x table LI – to multiply by 10 (10 x table) LI – to divide by 10 LI – to multiply by 5 (5 x table) LI – to divide by 5 LI – to explore the relationship and connections between the 5 and 10 times tables End of block assessment	WR Y3 Multiplication and Division A LI – to understand multiplication as equal groups LI – to use arrays to express multiplication LI – to find multiples of 2 LI – to find multiples of 5 and 10 LI – to share and group equally using concrete and pictorial representation LI – to multiply by 3 LI – to divide by 3 LI – to multiply and divide within the 3 times table LI – to multiply by 4 LI – to divide by 4 LI - to multiply and divide within the 4 times table LI – to multiply by 8 LI – to divide by 8 LI – to multiply and divide within the 8 times table LI – to multiply and divide within the 2, 4 and 8 times tables End of block assessment	WR Y4 Multiplication and Division A LI – to find multiples of 3 LI – to multiply and divide by 6 LI – to revise 6 times table and related division facts LI – to multiply and divide by 9 LI - to revise 9 times table and related division facts LI – to revise the 3-, 6- and 9-times tables LI – to multiply and divide by 7 LI - to revise 7 times table and related division facts LI – to multiply and divide by 7 LI – to multiply and divide by 11 LI – to multiply and divide by 12 LI – to multiply by 1 and 0 LI – to divide a number by 1 and itself LI – to multiply by 3 (1-digit) numbers End of block assessment	WR Y5 Multiplication and Division A LI – to introduce multiples LI – to find common multiples LI – to introduce factors LI – to find common factors LI – to introduce prime numbers LI – to introduce square numbers LI – to introduce cube numbers LI – to multiply by 10, 100 and 1000 (no decimals) LI – to divide by 10, 100 and 1000 (no decimals) LI – to multiply and divide by multiple of 10, 100 and 1000 End of block assessment	WR Y6 Addition, subtraction, multiplication and division See Addition and Subtraction above
			WR Y3 Multiplication and Division B LI – to find multiples of 10 LI – to use related calculations to multiply and divide	WR Y4 Multiplication and Division B LI – to find factor pairs LI – to use factor pairs	WR Y5 Multiplication and Division B LI – to multiply up to a 4-digit number by a 1-digit number	

			<p>LI – to use multiplication to solve reasoning problems</p> <p>LI – to multiply a 2-digit number by a 1-digit number (no exchange)</p> <p>LI - to multiply a 2-digit number by a 1-digit number with exchange</p> <p>LI – to link multiplication and division</p> <p>LI – to divide a 2-digit number by a 1-digit number (no exchange)</p> <p>LI - to divide a 2-digit number by a 1-digit number (with flexible partitioning)</p> <p>LI – to divide a 2-digit number by a 1-digit number with remainders</p> <p>LI – to use scaling (to find two or three times the given amount)</p> <p>LI – to solve multiple combination ways problems</p> <p>End of block assessment</p>	<p>LI – to multiply by 10</p> <p>LI – to multiply by 100</p> <p>LI – to divide by 10</p> <p>LI – to divide by 100</p> <p>LI – to use related facts to solve multiplication and division calculations</p> <p>LI – to use informal written methods for multiplication (2-digit by 1-digit)</p> <p>LI – to multiply a 2-digit number by a 1-digit number</p> <p>LI – to multiply a 3-digit number by a 1-digit number</p> <p>LI – to divide a 2-digit number by a 1-digit number</p> <p>LI – to divide a 3-digit number by a 1-digit number</p> <p>LI – to solve correspondence problems</p> <p>LI – to find the most efficient method of division</p> <p>End of block assessment</p>	<p>LI – to multiply a 2-digit number by a 2-digit number (area model)</p> <p>LI – to multiply a 2-digit number by a 2-digit number</p> <p>LI – to multiply a 3-digit number by a 2-digit number</p> <p>LI – to multiply a 4-digit number by a 2-digit number</p> <p>LI – to solve problems with multiplication</p> <p>LI – to divide 2-digit and 3-digit numbers by a 1-digit number</p> <p>LI – to divide a 4-digit number by a 1-digit number</p> <p>LI – to divide with remainders</p> <p>LI – to find the most efficient method of division</p> <p>LI – to solve problems involving multiplication and division</p> <p>End of block assessment</p>	
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Fractions

White Rose MATHS Whole School						
Fractions						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
	WR Y1 Fractions LI – to introduce parts and wholes LI – to explore equal and unequal parts LI – to recognise a half (shapes) LI - to find a half (numbers) LI – to recognise a quarter (shapes) LI - to find a quarter (numbers) LI – to recognise a third (shapes) LI - to find a third (numbers) LI – to find ‘the whole’ LI – to understand the numerator and denominator in unit fractions LI – to understand the numerator and denominator in non-unit fractions LI – to recognise the equivalence of half and two quarters LI – to recognise three quarters (shapes) LI – to find three quarters (numbers) LI – to count in fractions up to a whole End of block assessment	WR Y2 Fractions LI – to introduce parts and wholes LI – to explore equal and unequal parts LI – to recognise a half (shapes) LI - to find a half (numbers) LI – to recognise a quarter (shapes) LI - to find a quarter (numbers) LI – to recognise a third (shapes) LI - to find a third (numbers) LI – to find ‘the whole’ LI – to understand the numerator and denominator in unit fractions LI – to understand the numerator and denominator in non-unit fractions LI – to recognise the equivalence of half and two quarters LI – to recognise three quarters (shapes) LI – to find three quarters (numbers) LI – to count in fractions up to a whole End of block assessment	WR Y3 Fractions A LI – to understand the denominators of unit fractions LI – to compare and order unit fractions LI – to understand the numerators of non-unit fractions LI – to understand ‘the whole’ LI – to compare and order non-unit fractions LI – to identify fractions on scales (volume, mass) LI – to put fractions on a number line LI – to count in fractions on a number line LI – to identify equivalent fractions using a number line LI – to identify equivalent fractions using bar models End of block assessment	WR Y4 Fractions LI – to understand the whole LI – to count fractions beyond 1 LI – to partition a mixed number LI – to place mixed numbers on a number line LI – to compare and order mixed numbers LI – to understand improper fractions LI – to convert mixed numbers to improper fractions LI – to convert improper fractions to mixed numbers LI - to show equivalent fractions on a number line (beyond 1 whole) LI – to explore equivalent fraction families LI – to add two or more fractions (beyond 1) LI – to add fractions and mixed numbers LI – to subtract two fractions (with the same denominator) LI – to subtract fractions from whole amounts LI – to subtract from mixed numbers End of block assessment	WR Y5 Fractions A LI – to find fractions equivalent to a unit fraction LI – to find fractions equivalent to a non-unit fraction LI – to recognise equivalent fractions LI – to convert improper fractions to mixed numbers LI – to convert mixed numbers to improper fractions LI – to compare fractions less than 1 LI – to order fractions less than 1 LI – to compare and order fractions greater than 1 (mixed numbers and improper fractions) LI – to add and subtract fractions with the same denominator LI – to add fractions within 1 (different denominators) LI – to add fractions with a total greater than 1 (different denominators) LI – to add to a mixed number LI – to add two mixed numbers LI – to subtract fractions (with different denominators) LI – to subtract from a mixed number LI – to subtract from a mixed number (breaking the whole) LI – to subtract two mixed numbers End of block assessment	WR Y6 Fractions A LI – to find equivalent fractions and simplify LI – to place equivalent fractions on a number line LI – to compare and order fractions (denominator) LI – to compare and order fractions (numerator) LI – to add and subtract (simple?) fractions LI – to add and subtract any two fractions LI – to add mixed numbers LI – to subtract mixed numbers LI – to solve multi-step problems involving fractions End of block assessment



			<p>WR Y3 Fractions B</p> <p>LI – to add fractions with the same denominator</p> <p>LI – to subtract fractions with the same denominator</p> <p>LI – to partition a whole</p> <p>LI – to find unit fractions of a set of objects</p> <p>LI – to find non-unit fractions of a set of objects</p> <p>LI – to solve fractions of amounts reasoning problems</p> <p>End of block assessment</p>		<p>WR Y5 Fractions B</p> <p>LI – to multiply a unit fraction by an integer</p> <p>LI – to multiply a non-unit fraction by an integer</p> <p>LI – to multiply a mixed number by an integer</p> <p>LI – to calculate a fraction of a quantity</p> <p>LI – to find a fraction of an amount</p> <p>LI – to find the whole number when given a fraction of the whole amount</p> <p>LI - to use fractions as operators</p> <p>End of block assessment</p>	<p>WR Y6 Fractions B</p> <p>LI – to multiply fractions by integers</p> <p>LI – to multiply fractions by fractions</p> <p>LI – to divide a fraction by an integer</p> <p>LI – to divide any fraction by an integer</p> <p>LI – to calculate mixed questions involving fractions</p> <p>LI – to find a fraction of an amount</p> <p>LI – to find the whole number when given a fraction of the whole amount</p> <p>End of block assessment</p>
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Decimals

White Rose MATHS Whole School						
Decimals						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
				WR Y4 Decimals A LI – to represent tenths as fractions LI – to represent tenths as decimals LI – to represent tenths on a place value chart LI – to place tenths on a number line LI – to divide a 1-digit number by 10 LI – to divide a 2-digit number by 10 LI – to represent hundredths as fractions LI – to represent hundredths as decimals LI – to represent hundredths on a place value chart LI – to divide a 1-digit or a 2-digit number by 100 End of block assessment	WR Y5 Decimals LI – to use known facts to add and subtract decimals within 1 LI – to make complements to 1 using decimals LI – to add and subtract decimals across 1 (tenths and hundredths) LI – to add decimals with the same number of decimal places LI – to subtract decimals with the same number of decimal places LI – to add decimals with different numbers of decimal places LI – to subtract decimals with different numbers of decimal places LI – to find efficient strategies for adding and subtracting decimals LI – to complete decimal sequences LI – to multiply by 10, 100 and 1000 LI – to divide by 10, 100 and 1000 LI – to multiply and divide decimals with missing values (10, 100 and 1000) End of block assessment	WR Y6 Decimals LI – to understand decimal place value within 1 (tenths, hundredths and thousandths) LI – to understand place value with integers and decimals LI – to round decimals (to nearest integer, tenths, hundredths) LI – to add and subtract decimals LI – to multiply decimals by 10, 100 and 1000 LI – to divide by 10, 100 and 1000 including into decimals LI – to multiply decimals by integers LI – to divide decimals by integers LI – to multiply and divide decimals in context (money, measure). End of block assessment
				WR Y4 Decimals B LI – to make a whole with tenths LI – to make a whole with hundredths LI – to partition decimals (tenths and hundredths) LI – to flexibly partition decimals (tenths and hundredths) LI – to compare decimals		



				<p>LI – to order decimals</p> <p>LI – to round decimals to the nearest whole number (tenths)</p> <p>LI – to represent halves and quarters as decimals</p> <p>End of block assessment</p>		
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Percentages

White Rose MATHS Whole School						
Percentages						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
					<p>WR Y5 Decimals and Percentages</p> <p>LI – to understand decimals up to 2 decimal places (tenths and hundredths)</p> <p>LI – to find equivalent fractions and decimals (tenths)</p> <p>LI – to find equivalent fractions and decimals (hundredths)</p> <p>LI – to find equivalent fractions and decimals</p> <p>LI – to understand thousandths as fractions</p> <p>LI – to understand thousandths as decimals</p> <p>LI – to represent thousandths on a place value chart</p> <p>LI – to order and compare decimals (with the same number of decimal places)</p> <p>LI – to order and compare any decimals with up to 3 decimal places</p> <p>LI – to round decimals to the nearest whole number</p> <p>LI – to round decimals to 1 decimal place</p> <p>LI – to understand percentage as ‘out of 100’</p> <p>LI – to represent percentages as fractions and vice versa</p> <p>LI – to represent percentages as decimals and vice versa</p> <p>LI – to find equivalent fractions, decimals and percentages</p> <p>End of block assessment</p>	<p>WR Y6 Fractions, decimals and percentages</p> <p>LI – to find decimal and fraction equivalents</p> <p>LI – to ‘see’ fractions as division</p> <p>LI – to understand percentages as ‘out of 100’</p> <p>LI – to convert fractions to percentages</p> <p>LI – to find equivalent fractions, decimals and percentages</p> <p>LI – to order fractions, decimals and percentages</p> <p>LI – to find a percentages of an amount (one step)</p> <p>LI – to find percentages of an amount (multi-step)</p> <p>LI - to find the whole number when given a percentage of the whole amount (missing values)</p> <p>End of block assessment</p>

Algebra

White Rose MATHS Whole School						
Algebra						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
						WR Y6 Algebra LI – to calculate 1-step function machines LI - to calculate 2-step function machines LI – to form expressions LI – to express substitution LI – to use formulae LI – to form equations LI – to solve 1-step equations LI – to solve 2-step equations LI – to find pairs of value LI – to solve problems with two unknowns End of block assessment

Ratio

White Rose MATHS Whole School						
Ratio						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
						WR Y6 Ratio LI – to add or multiply LI – to use ratio language LI – to introduce the ratio symbol LI – to link ratio with fractions LI – to use scale drawing LI – to use scale factors LI – to explore similar shapes LI – to solve ratio problems LI – to solve proportion problems LI – to solve ratio problems within recipes End of block assessment

Statistics

White Rose MATHS Whole School						
Statistics						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
		WR Y2 Statistics LI – to make tally charts LI – to create and interpret tables LI – to create and interpret block diagrams LI – to draw pictograms (1:1) LI – to interpret pictograms (1:1) LI - to draw pictograms (scales of 2, 5, 10) LI - to interpret pictograms (scales of 2, 5 and 10) End of block assessment	WR Y3 Statistics LI – to interpret pictograms LI – to draw pictograms LI – to interpret bar charts LI – to draw bar charts LI – to collect and represent data LI – to create and interpret two-way tables End of block assessment	WR Y4 Statistics LI – to interpret charts (pictograms and bar charts) LI – to compare, find the sum of, and find the difference using charts LI – to interpret line graphs LI – to draw line graphs End of block assessment	WR Y5 Statistics LI – to draw line graphs LI – to read and interpret line graphs LI – to read and interpret tables LI – to read and interpret two-way tables LI – to read and interpret timetables End of block assessment	WR Y6 Statistics LI – to interpret and draw line graphs LI – to interpret dual bar charts LI – to read and interpret pie charts LI – to read and interpret pie charts using percentages LI – to draw pie charts LI – to calculate the mean End of block assessment

Negative Numbers

White Rose MATHS Whole School						
Negative Numbers						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
					<p>WR Y5 Negative Numbers</p> <p>LI – to understand negative numbers up to -10</p> <p>LI – to count through zero in 1s</p> <p>LI – to count through zeros in multiples</p> <p>LI – to compare and order negative numbers</p> <p>LI – to find the difference between numbers from -10 to 10</p> <p>End of block assessment</p>	

Measure/Length and Height/Area and Perimeter/Volume, Mass and Capacity/Temperature

White Rose MATHS Whole School						
Measure/Length and Height/Area and Perimeter/Volume, Mass and Capacity/Temperature						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
<p>WR Reception - Talk about measure and patterns</p> <p>LI – to compare size (two items)</p> <p>LI – to compare mass (two weights)</p> <p>LI – to compare capacity</p> <p>LI – to explore simple patterns</p> <p>LI – to copy and continue simple patterns</p> <p>LI – to create simple patterns</p>	<p>WR Y1 Length and height</p> <p>LI – to compare lengths and heights</p> <p>LI – to measure length using objects</p> <p>LI – to measure length in cm</p> <p>End of block assessment</p>	<p>WR Y2 Length and height</p> <p>LI – to measure in cm</p> <p>LI – to measure in m</p> <p>LI – to compare lengths and heights</p> <p>LI - to order lengths and heights</p> <p>LI – to use the four operations when using lengths and heights</p> <p>End of block assessment</p>	<p>WR Y3 Length and perimeter</p> <p>LI – to measure in metres and centimetres</p> <p>LI – to measure in millimetres</p> <p>LI – to measure in centimetres and millimetres</p> <p>LI – to convert between metres, centimetres and millimetres</p> <p>LI – to find equivalent lengths by converting between metres and centimetres</p> <p>LI – to find equivalent lengths by converting between centimetres and millimetres</p> <p>LI – to compare lengths</p> <p>LI – to add lengths</p> <p>LI – to subtract lengths</p> <p>LI – to introduce the concept of perimeter</p> <p>LI – to measure the perimeter of given shapes</p> <p>LI – to calculate the perimeter of given shapes</p> <p>End of block assessment</p>	<p>WR Y4 Area</p> <p>LI – to introduce the concept of area</p> <p>LI – to count squares to calculate area</p> <p>LI – to make shapes with a given area (on grid paper)</p> <p>LI – to compare areas (on grid paper)</p> <p>End of block assessment</p>	<p>WR Y5 Perimeter and area</p> <p>LI – to calculate the perimeter of rectangles</p> <p>LI – to calculate the perimeter of rectilinear shapes</p> <p>LI – to calculate the perimeter of polygons</p> <p>LI – to calculate the area of rectangles</p> <p>LI – to calculate the area of compound shapes</p> <p>LI – to calculate the area of irregular shapes (using squares)</p> <p>End of block assessment</p>	<p>WR Y6 Area, perimeter and volume</p> <p>LI – to calculate and compare area of rectangles</p> <p>LI – to calculate the area and perimeter of rectangles and rectilinear shapes</p> <p>LI – to calculate the area of a triangle by counting squares</p> <p>LI – to calculate the area of a right-angled triangle</p> <p>LI – to calculate the area of any triangle</p> <p>LI – to calculate the area of a parallelogram</p> <p>LI – to calculate volume by counting cubes</p> <p>LI – to calculate the volume of a cuboid</p> <p>End of block assessment</p>
<p>WR Reception – Mass and capacity</p> <p>LI – to compare mass using scales</p> <p>LI – to balance scales using cubes</p> <p>LI – to explore capacity</p> <p>LI – to compare the capacity of various containers</p>	<p>WR Y1 Mass and volume</p> <p>LI – to compare weights using scales (heavier and lighter)</p> <p>LI – to measure mass using cubes</p> <p>LI – to compare mass (greater, heavier, less, lighter)</p> <p>LI – to explore both volume and capacity (volume, capacity, empty, full, greater)</p>	<p>WR Y2 Mass, capacity and temperature</p> <p>LI – to compare mass using cubes (heavier, lighter)</p> <p>LI – to measure in grams</p> <p>LI – to measure in kg</p> <p>LI – to use the four operations when calculating mass</p>	<p>WR Y3 Mass and capacity</p> <p>LI – to use scales including calculating intervals</p> <p>LI – to measure mass in grams</p> <p>LI – to measure mass in grams and kilograms</p> <p>LI – to convert between grams and kilograms (including making equivalent amounts)</p>	<p>WR Y4 Length and perimeter</p> <p>LI – to measure in kilometres and metres</p> <p>LI – to convert between kilometres and metres</p> <p>LI – to calculate the perimeter of shapes on a grid</p> <p>LI – to calculate the perimeter of a rectangle</p>	<p>WR Y5 Volume</p> <p>LI – to calculate volume by counting cubes, using the term cubic centimetres</p> <p>LI – to compare volume using cubic centimetres</p> <p>LI – to estimate volume using cubic centimetres</p> <p>LI – to estimate capacity using millilitres and litres</p>	

	<p>LI – to compare volume (less, more, empty, nearly empty, full, nearly full)</p> <p>LI – to measure capacity using various items</p> <p>LI – to compare the capacity of various containers</p> <p>End of block assessment</p>	<p>LI – to compare volume and capacity (less, more, empty, nearly empty, full, nearly full)</p> <p>LI – to measure in millilitres</p> <p>LI – to measure in litres</p> <p>LI – to use the four operations when calculating volume and capacity</p> <p>LI – to measure temperature in degrees Celsius</p> <p>End of block assessment</p>	<p>LI – to compare mass</p> <p>LI – to add and subtract mass</p> <p>LI – to measure capacity and volume in millilitres</p> <p>LI - to measure capacity and volume in litres and millilitres</p> <p>LI – to convert between millilitres and litres (including making equivalent amounts)</p> <p>LI – to compare capacity and volume</p> <p>LI – to add and subtract capacity and volume</p> <p>End of block assessment</p>	<p>LI – to calculate the perimeter of rectilinear shapes</p> <p>LI – to find the missing lengths in rectilinear shapes (to calculate perimeter)</p> <p>LI – to calculate the perimeter of rectilinear shapes including calculating missing lengths</p> <p>LI – to calculate the perimeter of regular polygons</p> <p>LI – to calculate the perimeter of polygons</p> <p>End of block assessment</p>	<p>End of block assessment</p>	
<p>WR Reception – Length, height and time</p> <p>LI – to explore length (long and short)</p> <p>LI – to compare length (2 lengths)</p> <p>LI – to explore height (tall and short)</p> <p>LI – to compare height (2 heights)</p> <p>LI – to talk about time (30 seconds)</p> <p>LI – to order and sequence time (days of the week)</p>						

Converting Units

White Rose MATHS Whole School						
Converting Units						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
					WR Y5 Converting Units LI – to convert and solve problems with kilograms and kilometres LI – to convert and solve problems with millimetres and millilitres LI – to convert between units of length LI – to convert between metric and imperial units LI – to convert units of time LI – to calculate with timetables End of block assessment	WR Y6 Converting Units LI – to revise length, mass and capacity metric measurements, and give accurate estimates for real-life objects LI – to convert metric measures LI – to calculate with metric measures (or to solve problems) LI – to convert between miles and kilometres LI – to convert and calculate with imperial measures End of block assessment

Shape

White Rose MATHS Whole School						
Shape						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
<p>WR Reception Circles and Triangles</p> <p>LI – to identify and name circles and triangles</p> <p>LI – to compare circles and triangles</p> <p>LI – to find circles and triangles in the environment</p> <p>LI – to describe position</p>	<p>WR Y1 Shape</p> <p>LI – to recognise and name 3D shapes</p> <p>LI – to sort 3D shapes</p> <p>LI – to recognise and name 2D shapes</p> <p>LI – to sort 2D shapes</p> <p>LI – to create repeating patterns with 2D and 3D shapes</p> <p>End of block assessment</p>	<p>WR Y2 Shape</p> <p>LI – to recognise 2D and 3D shapes</p> <p>LI – to count the sides on 2D shapes</p> <p>LI – to count the vertices on 2D shapes</p> <p>LI – to draw 2D shapes</p> <p>LI – to draw lines of symmetry on shapes</p> <p>LI – to use lines of symmetry to complete shapes</p> <p>LI – to sort shapes</p> <p>LI – to count the faces on 3D shapes</p> <p>LI – to count the edges on 3D shapes</p> <p>LI – to count the vertices on 3D shapes</p> <p>LI – to sort 3D shapes</p> <p>LI – to make patterns with 2D and 3D shapes</p> <p>End of block assessment</p>	<p>WR Y3 Shape</p> <p>LI – to describe turns and angles</p> <p>LI – to recognise right angles</p> <p>LI – to compare angles (using acute, right and obtuse)</p> <p>LI – to measure and draw accurately in centimetres and millimetres (line and shapes)</p> <p>LI – to recognise and draw horizontal and vertical lines</p> <p>LI – to recognise and draw parallel and perpendicular lines</p> <p>LI – to recognise and describe 2D shapes</p> <p>LI – to draw polygons</p> <p>LI – to recognise and describe 3D shapes</p> <p>LI – to make 3D shapes (using concrete materials and nets)</p> <p>End of block assessment</p>	<p>WR Y4 Shape</p> <p>LI – to recognise angles as turns</p> <p>LI – to identify angles (acute, right and obtuse)</p> <p>LI – to compare and order angles</p> <p>LI - to recognise and describe types of triangles</p> <p>LI - to recognise and describe quadrilaterals</p> <p>LI – to recognise and describe polygons</p> <p>LI – to identify and draw lines of symmetry</p> <p>LI – to complete a symmetric figure</p> <p>End of block assessment</p>	<p>WR Y5 Shape</p> <p>LI – to understand and use degrees</p> <p>LI – to classify angles (acute, right, obtuse and reflex)</p> <p>LI – to estimate angles</p> <p>LI – to measure angles up to 180</p> <p>LI – to draw lines and angles accurately</p> <p>LI – to calculate angles around a point</p> <p>LI - to calculate angles on a straight line</p> <p>LI – to solve problems involving length and angles in shapes</p> <p>LI – to recognise and draw regular and irregular polygons</p> <p>LI – to recognise and describe properties of 3D shapes</p> <p>End of block assessment</p>	<p>WR Y6 Shape</p> <p>LI – to measure and classify angles</p> <p>LI – to calculate angles</p> <p>LI – to recognise and calculate vertically opposite angles</p> <p>LI – to calculate angles in a triangle</p> <p>LI – to calculate angles in a triangle (special cases)</p> <p>LI – to calculate missing angles in a triangle</p> <p>LI – to calculate angles in quadrilaterals</p> <p>LI – to calculate angles in polygons</p> <p>LI – to recognise and calculate radius, diameter and circumference of a circle</p> <p>LI – to draw shapes accurately</p> <p>LI – to recognise nets of 3D shapes</p> <p>End of block assessment</p>
<p>WR Reception Shapes with 4 sides</p> <p>LI – to identify and name shapes with 4 sides</p> <p>LI – to combine shapes with 4 sides</p> <p>LI – to find 4 sided shapes in the environment</p> <p>LI – to explore what we do in the morning and in the evening</p>						
<p>WR Reception Explore 3D shapes</p> <p>LI – to recognise and name 3D shapes</p>						

<p>LI – to find 2D shapes within 3D shapes</p> <p>LI – to explore the properties of 3D shapes</p> <p>LI – to find 3D shapes in the environment</p> <p>LI – to identify more complex patterns</p>						
<p>WR Reception Manipulate, compose and decompose</p> <p>LI – to select shapes for a purpose</p> <p>LI – to rotate shapes</p> <p>LI – to manipulate shapes</p> <p>LI – to explain shape arrangements</p> <p>LI – to compose shapes</p> <p>LI – to decompose shapes</p> <p>LI – to copy 2D shape pictures</p> <p>LI – to find 2D shapes within 3D shapes</p>						

Position and direction

White Rose MATHS Whole School						
Position and direction						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
<p>WR Reception Visualise, build and map</p> <p>LI – to identify units of repeating patterns (colour, fruit, objects etc)</p> <p>LI – to create own pattern rules</p> <p>LI – to explore own pattern rules</p> <p>LI – to replicate and build scenes and constructions using positional language (opposite, between, behind, in front)</p> <p>LI – to visualise from different positions and explain using positional language</p> <p>LI – to describe positions</p> <p>LI – to give and follow instructions to build</p> <p>LI – to explore mapping</p> <p>LI – to represent maps with models</p> <p>LI – to create own maps from familiar places</p> <p>LI – to create own maps and plans from story situations (from the description of a journey e.g., (Red Riding Hood)</p>	<p>WR Y1 Position and direction</p> <p>LI – to describe turns</p> <p>LI – to describe position – left and right</p> <p>LI – to describe position – forwards and backwards</p> <p>LI – to describe position – above and below</p> <p>LI – to use ordinal numbers</p> <p>End of block assessment</p>	<p>WR Y2 Position and direction Taught in P2 instead</p> <p>LI – to use the language of position (above, below, between)</p> <p>LI – to follow movement instructions and describe movement (down, up, 2 squares fwd, 2 squares bkwd)</p> <p>LI – to describe turns (full, half, quarter, clockwise, anticlockwise)</p> <p>LI – to follow and describe movement and turn instructions</p> <p>LI – to create shape patterns using turns (full, half, quarter, clockwise, anticlockwise)</p> <p>End of block assessment</p>		<p>WR Y4 Position and direction</p> <p>LI – to describe position using co-ordinates (1 quadrant)</p> <p>LI – to plot co-ordinates</p> <p>LI – to draw 2D shapes on a grid</p> <p>LI – to translate on a grid</p> <p>LI – to describe translation on a grid</p> <p>End of block assessment</p>	<p>WR Y5 Position and direction</p> <p>LI – to read and plot co-ordinates</p> <p>LI – to solve problems involving co-ordinates</p> <p>LI – to use translation</p> <p>LI – to translate points on a co-ordinate grid</p> <p>LI – to identify and draw lines of symmetry</p> <p>LI – to show reflection in horizontal and vertical lines</p> <p>End of block assessment</p>	<p>WR Y6 Position and direction</p> <p>LI – to read and plot co-ordinates in the first quadrant</p> <p>LI – to read and plot points in the four quadrants</p> <p>LI – to solve problems with co-ordinates</p> <p>LI – to read and draw translations across the 4 quadrants</p> <p>LI – to reflect shapes across the 4 quadrants</p> <p>End of block assessment</p>

Themed projects, consolidation and problem solving

White Rose MATHS Whole School						
Themed projects, consolidation and problem solving						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
WR Reception – Make Connections LI – to make connections between our maths learning (add, take away, capacity, number stories etc) LI – to explore and investigate relationships between numbers, shapes and patterns	WR Y1 Consolidation time noted	WR Y2 Consolidation time noted	WR Y3 Consolidation time noted	WR Y4 Consolidation time noted	WR Y5 Consolidation time noted	WR Y6 Themed projects, consolidation and problem solving White Rose Bakery <ul style="list-style-type: none"> - Activity 1 Shopping List - Best Value - Activity 2 Supermarkets comparison - Profit and Loss - Packaging - Cooking Problems - Activity 6 Cooking White Rose Tours <ul style="list-style-type: none"> - Climate Worksheet - Activity 1 Temperature and rainfall graphs - Accommodation - Activity 3 – Accommodation costings - Budget - Activity 4 – Holiday Budget - Time Problems White Rose Futures <ul style="list-style-type: none"> - Annual Salary - Hourly Rates - Activity 1 Dream Job - Bills - Activity 2 Bills - Mortgage - Activity 3 Mortgage - House - Activity 4 Decorating

Money

White Rose MATHS Whole School						
Money						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
	<p>WR Y1 Money</p> <p>LI – to link and explore the value of counters and coins</p> <p>LI – to recognise coins (all)</p> <p>LI – to recognise notes</p> <p>LI – to count in coins (using coins up to 20p)</p> <p>End of block assessment</p>	<p>WR Y2 Money</p> <p>LI – to count money in pence</p> <p>LI – to count money in pounds (notes and coins)</p> <p>LI – to count money in pounds and pence</p> <p>LI – to identify the coins and notes to make different amounts</p> <p>LI – to create the same amounts by using different notes and coins</p> <p>LI – to compare amounts of money</p> <p>LI – to calculate with money (pounds and pence)</p> <p>LI – to make a pound using different amounts and coins</p> <p>LI – to find change</p> <p>LI – to complete two-step money problems</p> <p>End of block assessment</p>	<p>WR Y3 Money</p> <p>LI – to recognise, match and compare pound and pence</p> <p>LI – to convert between pounds and pence</p> <p>LI – to add money</p> <p>LI – to subtract money</p> <p>LI – to find change from £1, £2, £5 and £10</p> <p>End of block assessment</p>	<p>WR Y4 Money</p> <p>LI – to write money using decimals</p> <p>LI – to convert between pounds and pence</p> <p>LI – to compare amounts of money</p> <p>LI – to make estimates involving money</p> <p>LI – to calculate with money (+ - x ÷)</p> <p>LI – to solve problems involving money</p> <p>End of block assessment</p>		

Time

White Rose MATHS Whole School						
Time						
Primary 1	Primary 2	Primary 3	Primary 4	Primary 5	Primary 6	Primary 7
<p>WR Reception – Length, height and time</p> <p>See measure above</p>	<p>WR Y1 Time</p> <p>LI – to explore the order of our routines in the day (before, after first, next, finally)</p> <p>LI – to name and order the days of the week</p> <p>LI – to name and order the months of the year</p> <p>LI – to develop understanding of hours, minutes and seconds</p> <p>LI – to tell the time to the hour</p> <p>LI – to tell the time to the half hour</p> <p>End of block assessment</p>	<p>WR Y2 Time</p> <p>LI – to revise o'clock and half past</p> <p>LI – to tell the time using quarter past and quarter to</p> <p>LI – to tell the time past the hour</p> <p>LI – to tell the time to the hour</p> <p>LI – to tell the time to 5 minutes</p> <p>LI – to use and apply time knowledge to work out lengths of time greater than an hour</p> <p>LI – to learn that there are 24 hours in a day</p> <p>End of block assessment</p>	<p>WR Y3 Time</p> <p>LI – to read and write Roman Numerals to 12</p> <p>LI – to tell the time to 5 minutes</p> <p>LI – to tell the time to the minute</p> <p>LI – to read time on a digital clock</p> <p>LI – to use am and pm</p> <p>LI - to solve problems involving years, months and days</p> <p>LI – to solve problems using days and hours</p> <p>LI – to calculate start and end times using minutes and hours</p> <p>LI – to calculate durations using minutes and hours</p> <p>LI – to solve problems involving seconds and minutes</p> <p>LI – to solve problems involving units of time</p> <p>LI to solve problems involving time</p> <p>End of block assessment</p>	<p>WR Y4 Time</p> <p>LI – to compare and solve problems involving years, months, weeks and days</p> <p>LI - to compare and solve problems involving hours, minutes and seconds</p> <p>LI – to convert between analogue and digital times</p> <p>LI – to convert to the 24-hour clock</p> <p>LI – to convert from the 24-hour clock</p> <p>End of block assessment</p>		