	AUTUMN – YEAR 4		-	
NATIONAL CURRICULUM	NUMBER – MULTIPLICATION AND DIVISION	READY TO PROGRESS		
NUMBER - NUMBER AND PLACE VALUE	Recall multiplication and division facts for multiplication tables up to 12 × 12 (A4, Sp1)	NUMBER AND PLACE VALUE - NPV		
Count in multiples of 6, 7, 9, 25 and 1000 (A1, A4)		4NPV-1 Know that 10 hundreds are equivalent to 1		
Identify, represent and estimate numbers using different representations (A1)	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 (A4,	thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100 (A1 Step 4)		
Read Roman numerals to 100 (I to C) and know that	Sp1)			
over time, the numeral system changed to include the concept of zero and place value (A1)	Recognise and use factor pairs and commutativity in mental calculations(A4, Sp1)	4NPV-2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and non-standard		
Find 1000 more or less than a given number (A1)	MEASUREMENT	partitioning (A1)		
Decognize the place value of each digit in a four digit	Measure and calculate the perimeter of a rectilinear	(NDV/ 2 Descen about the location of any four digit		
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) (A1)	figure (including squares) in centimetres and metres (A3, Sp2)	4NPV-3 Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000		
Order and compare numbers beyond 1000 (A1)	Find the area of rectilinear shapes by counting	and 100, and rounding to the nearest of each (A1 Steps $8 - 17$)		
Round any number to the nearest 10, 100 or 1000	squares (A3, Sp2)			
(A1)		4NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts,		
		and read scales/number lines marked in multiples of		
Solve number and practical problems that involve all		1,000 with 2, 4, 5 and 10 equal parts (A1 Steps 9, 10)		
of the above and with increasingly large positive		NUMBER FACTS - NF		
numbers (A1)		4NF-1 Recall multiplication and division facts up to 12 × 12 and recognise products in multiplication tables as		
NUMBER - ADDITION AND SUBTRACTION		multiples of the corresponding number (A4, all steps)		
Add and subtract numbers with up to 4 digits using				
the formal written methods of columnar addition and		4NF-2 Solve division problems, with two-digit		
subtraction where appropriate (A2)		dividends and one-digit divisors, that involve		
		remainders, and interpret remainders appropriately		
Solve addition and subtraction twostep problems in		according to the context (A4 , all steps)		
contexts, deciding which operations and methods to use and why (A2)		ADDITION AND SUBTRACTION - AS		
		MULTIPLICATION AND DIVISION – MD		
		4MD-2 Manipulate multiplication and division		
		equations, and understand and apply the		
		commutative property of multiplication (A4 , all steps)		

SPRING – YEAR 4			
NATIONAL CURRICULUM	Recognise and write decimal equivalents of any	NUMBER FACTS - NF	
NUMBER – MULTIPLICATION AND DIVISION	number of tenths or hundredths (Sp4, Su1)	4NF-1 Recall multiplication and division facts up to 12	
Recall multiplication and division facts for	1 1 2	× 12 and recognise products in multiplication tables as	
multiplication tables up to 12×12 (A4, Sp1)	Recognise and write decimal equivalents to $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$	multiples of the corresponding number (Sp1 Steps 1,	
	(Sp4, Su1)	2, 7, 8, 9, 10)	
Jse place value, known and derived facts to multiply			
and divide mentally, including: multiplying by 0 and 1;	Round decimals with one decimal place to the nearest	4NF-2 Solve division problems, with two-digit	
dividing by 1; multiplying together three numbers (A4,	whole number (Sp4, Su1)	dividends and one-digit divisors, that involve	
Sp1)		remainders, and interpret remainders appropriately	
	Compare numbers with the same number of decimal	according to the context (Sp1 Steps 11, 12, 12)	
Recognise and use factor pairs and commutativity in	places up to two decimal places (Sp4, Su1)		
mental calculations(A4, Sp1)		4NF-3 Apply place-value knowledge to known additive	
	Solve simple measure and money problems involving	and multiplicative number facts (scaling facts by 100)	
Multiply two-digit and three-digit numbers by a one-	fractions and decimals to two decimal places (Sp3,	(Sp1 Steps 4, 6 / Sp4 step 10)	
digit number using formal written layout (Sp1)	Sp4, Su1)		
	MEASUREMENT	MULTIPLICATION AND DIVISION – MD	
Solve problems involving multiplying and adding,	Convert between different units of measure [for	4MD-1 Multiply and divide whole numbers by 10 and	
including using the distributive law to multiply two	example, kilometre to metre; hour to minute] (Sp2,	100 (keeping to whole number quotients); understand	
digit numbers by one digit, integer scaling problems	Su3)	this as equivalent to making a number 10 or 100 times	
and harder correspondence problems such as n		the size (Sp1 Steps 3, 4, 5, 6)	
objects are connected to m objects (Sp1)	Estimate, compare and calculate different measures	FRACTIONS	
	(Sp2, Su3)	FRACTIONS 4F-1 Reason about the location of mixed numbers in	
Pupils practise to become fluent in the formal written			
method of short multiplication and short division	Measure and calculate the perimeter of a rectilinear	the linear number system (Sp3 Steps 4, 5) 4F-2 Convert mixed numbers to improper fractions	
(Non-statutory NC guidance, not covered in WR – use	figure (including squares) in centimetres and metres	and vice versa (Sp3 Steps 7, 8)	
NCETM guidance)	(A3, Sp2)	4F-3 Add and subtract improper and mixed fractions	
NUMBER - FRACTIONS	Find the area of rectilinear shapes by counting	with the same denominator, including bridging whole	
Count up and down in hundredths; recognise that	squares (A3, Sp2)	numbers (Sp3 Steps 12, 14, 15)	
hundredths arise when dividing an object by one		GEOMETRY – G	
hundred and dividing tenths by ten (Sp4, Su1)		4G-2 Identify regular polygons, including equilateral	
Recognise and show, using diagrams, families of		triangles and squares, as those in which the side-	
common equivalent fractions (Sp3)		lengths are equal and the angles are equal. Find the	
common equivalent nactions (SpS)	READY TO PROGRESS	perimeter of regular and irregular polygons (Sp2 Steps	
Add and subtract fractions with the same	NUMBER AND PLACE VALUE - NPV	8,9)	
denominator (Sp3)	4NPV-1 Know that 10 hundreds are equivalent to 1		
	thousand, and that 1,000 is 10 times the size of 100;		
Solve problems involving increasingly harder fractions	apply this to identify and work out how many 100s		
to calculate quantities, and fractions to divide	there are in other four-digit multiples of 100 (Sp1		
quantities, including non-unit fractions where the	Steps 3, 4, 5, 6)		
answer is a whole number (Sp3)			

SUMMER – YEAR 4			
NATIONAL CURRICULUM		READY TO PROGRESS	SAINT JOHN'S
NUMBER - FRACTIONS	Read, write and convert time between analogue and digital 12, and 24 hour clocks (Su2)	GEOMETRY – G	
Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten (Sp4, Su1)	digital 12- and 24-hour clocks (Su3) Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks	4G-1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant (Su4 steps to follow)	
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 (Sp3)	to days (Su3) GEOMETRY – PROPERTIES OF SHAPES Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes (Su4)	4G-2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons (Su4 steps to follow)	
Recognise and write decimal equivalents of any number of tenths or hundredths (Sp4, Su1)	Identify lines of symmetry in 2-D shapes presented in different orientations (Su4)	4G-3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of	
Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ (Sp4, Su1)	Identify acute and obtuse angles and compare and order angles up to two right angles by size (Su4)	symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry (Su4 steps to follow)	
Round decimals with one decimal place to the nearest whole number (Sp4, Su1)	Identify lines of symmetry in 2-D shapes presented in different orientations (Su4)		
Compare numbers with the same number of decimal places up to two decimal places (Sp4, Su1)	Complete a simple symmetric figure with respect to a specific line of symmetry (Su4)		
Solve simple measure and money problems involving fractions and decimals to two decimal places (Sp3, Sp4, Su1)	Describe positions on a 2-D grid as coordinates in the first quadrant (Su6)		
	Describe movements between positions as		
MEASUREMENT Convert between different units of measure [for	translations of a given unit to the left/right and up/down (Su6)		
example, kilometre to metre; hour to minute] (Sp2,			
Su3)	Plot specified points and draw sides to complete a given polygon (Su6)		
Estimate, compare and calculate different measures	STATISTICS		
(Sp2, Su3)	Interpret and present discrete and continuous data		
Estimate, compare and calculate different measures,	using appropriate graphical methods, including bar charts and time graphs (Su5)		
including money in pounds and pence (Su2)	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs (Su5)		