Curriculum Map - Year 5

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Number	Read and write 6,5,4 digit numbers		Reading Numbers - Step 10 Pg 40 - Read and write9,8,7 d numbers;	Step 11 Pg 40 - Read and write each digit withdecimal places	Squiggleworth Step 5 Pg 49 - Partition 3dp numbers		
	Partition 2dp numbers		Squiggleworth 4 Pg 48 - Partition 2dp numbers				
	Core Numbers - Step 7 Pg 54 - understand 2dp numbers		Core Numbers - Step 7 Pg 54 - understand 2dp numbers		Core Numbers - Step 8 Pg 54 - understand 3dp numbers;	Core Numbers - Step 9 Pg 55 - understand 5,6,78 d numbers	
	Count Fourways - 1s		Count Fourways - 2s , -5s		Count Fourways - 25s		
	Counting Along (Step 4) Pg 91 - Count along with number lines		Counting Along (Step 5) Pg 91 - Count along any number lines		Counting Along (Step 6) Pg 91 - find the gap between two negative numbers		
	order & compare numbers to at least 1 000 000		Know & use the vocabulary of prime numbers, prime factors & composite (non-prime) numbers				
	Solve number problems and practical problems that involve all of the above		Establish whether a number up to 100 is prime & recall prime numbers up to 19				
	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000		Recognise & use square numbers & cube numbers, & the notation for squared (2) & cubed (3)				
	Round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 & 100 000		Solve problems involving multiplication & division including using their knowledge of factors & multiples, squares & cubes				
	Read Roman numerals to 1 000 (M) & recognise years written in Roman numerals.		Solve problems involving multiplication & division, including scaling by simple fractions and problems involving simple rates.				
	Interpret negative numbers in context, count forwards & backwards with positive & negative whole numbers, including through zero	Identify multiples & factors, including finding all factor pairs of a number, & common factors of two numbers					Notes
Mental Addition & Subtraction	Adding with PIM Step 5 Pg 141 - Add hundredths						Blue - Big Maths & National Currciulum
	Jigsaw Numbers Step 5 Pg 161 - find Missing decimal place piece						
	Use rounding to check answers to calculations and determine, in the						Blue and underlined - extra learning not in NC
Calculation Addition & subtaction	Addition - Pg 261 - Step 32 - 1dp + 1dp	Addition - Pg 261 - Step 33 - any 1dp + 1dp	Addition - Pg 262- Step 34 - 1d.1dp+ 1d.1dp	Addition - Pg 263- Step 35 - any 1d.1dp+ 1d.1dp	Addition - Pg 263- Step 36 - addition with 2dp ; Step 37 Pg 264 any addition with 2dp	Addition - Pg 266- Step 38 - addition with larger numbers	Grey = new learning
	Subtraction Step 31 Pg 315 - solve 4d - 2d		Subtraction Step 32 Pg 316 - solve 3d - 3d	Subtraction Step 33 - Pg 316 - solve 3d - 3d as money	Subtraction - Step 34 - Pg 319- subtract numbers with hundreths; Step 35 - Pg 320 subtract with tenths	Subtraction - Step 36 - Pg 320 - subtract with large numbers	
Column Methods Addi&Subt	Addition Step 8 Pg 17 solve any 4d + 4d		Addition Step 9 Pg 18 column addition with several numbers		Addition Step 10 Pg 18 5d + 5d		Black - National Currciulum
	Subtraction Step 7 Pg 27 any 4d - 4d		Subtraction Step 8 Pg 27 any 5d - 5d		Subtraction Step 8 Pg 27 any 5d - 5d		
Mental Multiplication & Division	x 10 ÷ 10 Step 3 Pg 165 - multiply decimals by 10		x 10 ÷ 10 Step 4 Pg 164 - 1dp x 1dp		x 10 ÷ 10 Step 5 Pg 165 - x whole numbers and decimal numbers by 1000		
	x 10 ÷ 10 Step 3 Pg 165 - -:divide decimals by 10		x 10 ÷ 10 Step 4 Pg 166 1dp ÷ 1dp		x 10 ÷ 10 Step 5 Pg 167 divide whole numbers and decimals by 1000		
	Coin Multiplication Step 4 Pg 181 add 2 multiples together		Coin Multiplication Step 5 Pg 171 smile multiplication for hundredths		Pom's Word - Step 4 Pg 203 - find primew numbers		
	Where's Mully? Step 4 Pg 193 - find Mully using smile and table facts		Where's Mully? Step 5 Pg 195 - find Mully using coin multiplication				
	Pom's Word - Step 2 Pg 202 - find factors		Pom's Word - Step 3 Pg 202 - find square numbers				
Calculation Multiplication & Division	Multiplication - Step 14 Pg 346 - any 1d x2d		Multiplication - Step 15 Pg 346 -1d x 3d	Multiplication - Step 16 Pg 350 understand 2d x 2d	Multiplication - Step 16 Pg 350 understand 2d x 2d		
	Division Step 24 Pg 382- use smile multiplication fact to find a division fact	Division Step 25 Pg 383- use smile multiplication fact to find a division fact with a remainder	Division Step 26 Pg 384 - combine smile multiplication fact to solve division	Division Step 27 Pg 384 - combine smile multiplication fact to solve division (with remainders)	Division Step 28 Pg 386 - coin multiplication to find division fact; Step 29 Pg 387 - same as above but with remainders	Division Step 30 Pg 387 - combine 2 or more coin facts to solve division; Step 31 - same as above but with remainders	
Column Methods Multiplication & Division	Multipication - Step 4 - Pg 35 - 2d x 2d		Multipication - Step 5 Pg 35 - solve any 3d x 2d		Multipication - Step 6 Pg 36 - solve any 4d x 1d		
	Step 5 Pg 45 solve a 4d÷ 1d (using any table). No remainders in answer		Step 6 Pg 46 - solve a 2d÷ 1d and 3d ÷1d with remainders		Step 7 Pg 46 - solve a 4d÷ 1d interept context with remainders		
Fractions	Recognise the per cent symbol (%) & understand that per cent relates to 'number of parts per hundred', & write percentages as a fraction with denominator 100, & as a decimal	Compare & order fractions whose denominators are all multiples of the same number	Read & write decimal numbers as fractions [e.g. 0.71 = 71/100]			Compare & order fractions whose denominators are all multiples of the same number	
		Identify, name & write equivalent fractions of a given fraction, represented visually, including tenths & hundredths	Solve problems which require knowing percentage & decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, 1/5, 2/5 & 4/5 & those fractions with a denominator of a multiple of 10 or 25.			Identify, name & write equivalent fractions of a given fraction, represented visually, including tenths & hundredths	
		Recognise mixed numbers & improper fractions & convert from one form to the other & write mathematical statements > 1 as a mixed number [e.g.					
		Add & subtract fractions with the same denominator & denominators that are multiples of the same number					
	Round decimals with two decimal places to the nearest whole number & to one decimal place	Multiply proper fractions & mixed numbers by whole numbers, supported by materials & diagrams					
		Recognise & use thousandths & relate them to tenths, hundredths & decimal equivalents		Solve problems involving number up to three decimal places			
Measure		Solve problems involving converting between units of time	Convert between different units of metric measure (e.g. kilometre & metre; centimetre & metre; centimetre & millimetre; gram & kilogram; litre &	Solve problems involving converting between units of time		Solve problems involving converting between units of time	
				Understand & use approximate equivalences between metric units & common imperial units such as inches, pounds & pints			
	Measure & calculate the perimeter of composite rectilinear shapes in centimetres & metres						
			Calculate & compare the area of rectangles (including squares), & including using standard units, square centimetres (cm²) & square metres (m²)	Estimate volume [e.g. using 1 cm³ blocks to build cuboids (including cubes)] & capacity [e.g. using water]			
	Use all four operations to solve problems involving measure [e.g. length, mass, volume, money] using decimal notation, including scaling.						
		Identify 3-D shapes, including cubes & other cuboids, from 2-D representations					
		Know angles are measured in degrees: estimate & compare acute, obtuse & reflex angles	Know angles are measured in degrees: estimate & compare acute, obtuse & reflex angles	Draw given angles, & measure them in degrees (°).			
		Identify: angles at a point & one whole turn (total 360°) angles at a point on a straight line & ½ a turn other multiples of 90°			Identify: angles at a point & one whole turn angles at a point on a straight line & ½ a turn (total other multiples of		
			Use the properties of rectangles to deduce related facts & find missing lengths & angles		Use the properties of rectangles to deduce related facts & find missing lengths & angles		
			Distinguish between regular & irregular polygons based on reasoning about equal sides & angles		Distinguish between regular & irregular polygons based on reasoning about equal sides & angles		
Data Handling	Computing Link - data collection and anaylsis - Brazil using graphs and pie charts				Data - pie charts and graphs (Science Link with gestation/life expectancy - data collection and analysis)		