Long Term Mathematics Planning Year 4

National Curriculum Aims: Fluency Reasoning Problem-Solving

		Objective title	Focus	Additional strands
Autumn	1	Number, place value and rounding	I can compare and order numbers up to 1000. I can read and write numbers to at least 1000 in numerals and words. I can read Roman Numerals to 100. I can compare and order beyond 1000.	
	2	Multiplication and Division	I can solve problems involving multiplying and dividing. I can multiply a 2 digit by 1 digit number. I can multiply a 3 digit by 1 digit number.	
	3	Addition and Subtraction, written & mental calculation	I can + and - numbers with up to 4 digits using an efficient written method, column method	
	4	Data handling	I can use a range of scales when interpreting and presenting data. I can present and interpret line graphs and tables.	
	5	Geometry	I can compare and classify geometric shapes including quadrilaterals and triangles using their properties.	
	6	Measures	I can convert units of time (e.g. minutes to seconds) I can read write and convert time (analogue-digital, 12hour-24 hour)	

Long Term Mathematics Planning Year 4

National Curriculum Aims: Fluency Reasoning Problem-Solving

	7	Fractions and decimals	I can compare numbers with the same number of dp up to 2 dp. I can recognise and write the decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ I can find the effect of dividing a number by 10 and 100 and know the place value.	
Spring	**1**	Number, Place value and rounding	I can recognise the place value of each digit in a 4 digit number. I can find 1000 more or less than a given number. I can count in multiples of 6, 7, 9, 25 and 1000.	
	2	Addition and subtraction	I can estimate the answer to a calculation and use inverse operations to check answers. I can solve 2 step subtraction and addition problems.	
	3	Multiplication and division	I can recognise and use factor pairs in mental calculations. I can multiply together 3 numbers.	
	4	Fractions and decimals	I can add and subtract fractions with the same denominator. I can recognise and write the decimal equivalents of 10ths or 100ths. I can count up and down in 100ths and know that they come from dividing by 100.	

	5	Measures	I can estimate, compare and calculate different measures. I can measure and calculate the perimeter and area of rectilinear shapes	
	6	Geometry	I can plot specified points and draw sides to complete a given polygon. I can translate shapes. I can describe the position on a 2D grid as co-ordinates in the first quadrant.	
	7	Data	I can use a range of scales when interpreting and presenting data. I can present and interpret bar charts, pictograms.	
Summer	1	Number, Place value and rounding	I can solve number and practical problems using place value. I can round any number to the nearest 10, 100, 1000. I can identify, represent and estimate numbers. I can count backwards through 0 to include negative numbers.	
	2	Addition and subtraction	I can solve mental calculations using increasingly large numbers.	
	3	Multiplication and division	I can use place value, known and derived facts to divide and multiply mentally. I can recall the x and division facts for the tables up to 12 x 12.	

4	Fractions and decimals	I can solve simple measure and money problems involving fractions and decimals up to 2 dp. I can round decimals with 1 dp to the nearest whole number.	
5	Measures	I can convert between different units of measure (km-m, kg-g, l-ml, m-cm)	
6	Geometry	I can complete a simple symmetric figure. I can identify lines of symmetry in 2D shapes. I can identify, compare and order acute and obtuse angles.	
7	Data	I can use a range of scales when interpreting and presenting data. I can present and interpret bar graphs, pictograms, line graphs and tables.	