Year 4 MATHS	Y4 Low Emerging	Y4 High Emerging	Y4 Low Embedding	Y4 High Embedding	Y4 Low Expected	Y4 High Expected	Y4 Low Exceeding Y5 Low Emerging	Y4 High Exceeding Y5High Emerging
STEP	20	21	22	23	24	25	26	27
Ticks required	20	39	59	78	98	105	111	117

✓ Total 123 with **20 Key Objectives**	*The three divisions within each statement are an indication of the depth of pupil understanding not the number of times observed*	***All Key objectives*** *have to be secure in order to be exceeding*

	Mathematics - Year 4	**Beginning**	**Progressing**	**Secure**
Number:: Number System and fractions and decimals	*I can count in multiples of 6, 7, 9, 25 and 1000*			
	I can find 1000 more or less than a given number			
	I can count backwards through 0 using negative numbers			
	I can recognise the place value of each digit in a 4-digit number (Th, H, T, U)			
	I can compare and order numbers beyond 1000			
	I can identify, represent and estimate numbers using different representations			
	I can round any number to the nearest 10, 100 or 1000			
	I can round decimals with one decimal place to the nearest whole number			
	I can compare and order decimal numbers with up to two decimal places			
	I can read Roman numerals to 100 (I to C) and I understand how numbers developed to include 0			
	I can recognise and show, using diagrams, families of common equivalent fractions			
	I can count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten			
	I can 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			
	I can add and subtract fractions with the same denominator			
	I can recognise and write decimal equivalents of any number of tenths or hundredths			
	I can recognise and write decimal equivalents to ¼, ½ and ¾			
	I can solve simple measure and money problems involving fractions and decimals to two decimal places			
Calculating: addition, subtraction, multiplication and division	I can add and subtract numbers up to 4 digits using columnar methods			
	I can estimate and use inverse operations to check answers to a calculation			
	I can solve addition and subtraction two-step problems in contexts, deciding which operation to use and why			
	I can recall multiplication and division facts up to 12x12			
	I can use place value, known and derived facts to multiply and divide mentally, including multiplying and dividing by 0 and 1; dividing by 1; multiplying together three numbers			
	I can recognise and use factor pairs and commutativity in mental calculation			
	I can multiply and divide two-digit and three-digit numbers by a one-digit number using a formal layout			
	I can find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths			
	I can solve problems involving multiplying and adding, including integer scaling problems and harder correspondence problems such as n objects are connected to m objects			
Geometry: Properties, position and direction	*I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes*			
	I can identify acute and obtuse angles and compare and order angles up to two right angles (180°) by size			
	I can identify lines of symmetry in 2D shapes presented in different orientations			
	I can complete a simple symmetric figure with respect to a specific line of symmetry			
	I can describe positions on a 2D grid as coordinates in the first quadrant			
	I can describe movements between positions as translations of a given unit to the left/right and up/down			
	I can plot specified points and draw sides to complete a given polygon			
Measurement	*I can convert between different units of measure (e.g. km to m; hr to min)*			
	I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres			
	I can find the area of rectilinear shapes by counting squares			
	I can read, write and covert time between analogue and digital 12 and 24 hour clocks			
	I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days			
	I can estimate, compare and calculate different measures, including money in pounds and pence			
Statistics	I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and line graphs			
	I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs			