Year 3 MATHS	Y3 Low Emerging	Y3 High Emerging	Y3 Low Embedding	Y3 High Embedding	Y3 Low Expected	Y3 High Expected	Y3 Low Exceeding Y4 Low Emerging	Y3 High Exceeding Y4 High Emerging
STEP	14	15	16	17	18	19	20	21
Ticks required	**15**	**31**	**46**	**62**	**77**	**82**	**86**	**91**
✓ *Total 96 with **16 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 3	Beginning	Progressing	Secure
Number: Number System and fractions and decimals	***I can read and write numbers up to 1,000 in numerals and in words***			
	I can compare and order numbers up to 1,000			
	I can count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number			
	I can recognise the place value of each digit in a 3-digit number (HTU)			
	I can identify, represent and estimate numbers using different representations *(allow children to use range of apparatus such as Numicon, counting sticks, cubes, hundred squares etc.)*			
	I can count up or down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit number or quantities by 10			
	I can recognise, find and write fractions of a discrete set of objects; unit fractions and non-unit fractions with small denominators			
	I can recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators			
	I can recognise and show, using diagrams, equivalent fractions with small denominators			
	I can add and subtract fractions with the same denominator within one whole (e.g. 5/7 + 1/7 = 6/7)			
	I can compare and order unit fractions, and fractions with the same denominators			
	I can solve problems that involve all of the above			
Calculating: addition, subtraction, multiplication and division	***I can add and subtract numbers mentally (HTU + HT and HT - HTU)***			
	I can add and subtract numbers with up to 3 digits, using formal written methods of column addition and subtraction			
	I can estimate the answer to a calculation and use inverse operations to check answers			
	I can solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction			
	I can recall and use multiplication facts for the 3, 4 and 8 times tables			
	I can write and calculate mathematical statements for multiplication and division using the multiplication facts that I know including TU x U, using mental and then progressing to formal written methods			
	I can solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which *n* objects are connected to *m* objects			
Geometry: Properties, position and direction	***I can draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them***			
	I can recognise angles as a property of a shape or a description of a turn			
	I can identify right angles, recognise that 2 right angles make a half turn, 3 make three-quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle			
	I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines			
Measurement	***I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)***			
	I can measure the perimeter of simple 2-D shapes			
	I can add and subtract amounts of money to give change, using both £ and p in practical contexts			
	I can tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks			
	I can estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight			
	I know the number of seconds in a minute and the number of days in each month, year and leap year			
	I can compare duration of events (e.g. to calculate the time taken by particular events or tasks)			
Statistics	***I can interpret and present data using bar charts, pictograms and tables***			
	I can solve one-step and two-step questions (e.g. *'How many more?'* and *'How many fewer?'*) using information presented in scaled bar charts and pictograms and tables			