'Assessing Without Levels' ~ *Progress & Attainment Against Expectations*			
Mathematics Curriculum 2014: Year 2			
	Emerging	**Expected**	**Exceeding**
Numbers & the number system			
• Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward.			
• Recognise the place value of each digit in a two-digit number (tens, ones).			
• Identify, represent and estimate numbers using different representations, including the number line.			
• Compare and order numbers from 0 up to 100; use <, > and = signs.			
• Read and write numbers up to 100 in numerals and in words.			
• Use place value and number facts to solve problems.			
Calculation ~ addition & subtraction			
• Solve problems with addition & subtraction: - using concrete objects and pictorial representations, including those involving numbers, quantities and measures - applying their increasing knowledge of mental and written methods.			
• Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.			
• Add and subtract numbers mentally, including: *a two-digit number and ones* *a two-digit number and tens* *two two digit numbers* *adding three one-digit numbers*			
• Show that addition of two numbers can be done in any order and subtraction of one number from another cannot.			
• Recognise and use the inverse relationship between addition & subtraction and use this to check calculations and missing number problems.			
Calculation ~ multiplication & division			
• Recall & use multiplication & division facts for 2, 5 & 10 tables, including recognising odd and even numbers			
• Calculate mathematical statements for multiplication and division within the multiplication tables; write them using multiplication (x), division (÷) & equals (=) signs.			
• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.			
• Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.			
Calculation ~ Fractions, Decimals & Percentages			
• Recognise, find, name and write fractions $^1/_3$, $^1/_4$, $^2/_4$ & $^3/_4$ of a length, shape, set of objects or quantity			
• Write simple fractions e.g. $^1/_2$ of 6 = 3 and recognise the equivalence of $^2/_4$ and $^1/_2$			

Measures			
• Choose and use appropriate standard units to estimate and measure: - length/height in any direction (m/cm); - mass (kg/g); - temperature (°C); - capacity (litres/ml) to the nearest appropriate unit… *using rulers, scales, thermometers and measuring vessels*			
• Compare and order lengths, mass, volume / capacity and record the results using >, < and =			
• Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.			
• Find different combinations of coins that equal the same amounts of money			
• Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.			
• Compare and sequence intervals of time.			
• Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.			
• Know the number of minutes in an hour and the number of hours in a day.			
Shape and Space			
• Identify & describe the properties of 2-D shapes, including the number of sides & line symmetry in a vertical line			
• Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces			
• Identify 2-D shapes on the surface of 3-D shapes, [e.g. a circle on a cylinder & a triangle on a pyramid.]			
• Compare and sort common 2-D and 3-D shapes and everyday objects.			
• Order and arrange combinations of mathematical objects in patterns and sequences.			
• Use mathematical vocabulary to describe position, direction and movement including movement in a straight line, distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)			
Statistics			
• Interpret and construct simple pictograms, tally charts, block diagrams and simple tables			
• Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity			
• Ask and answer questions about totaling and comparing categorical data.			