

'Assessing Without Levels' ~ Progress & Attainment Against Expectations			
Mathematics Curriculum 2014: Year 3			
	Emerging	Expected	Exceeding
Numbers & the number system			
<ul style="list-style-type: none"> Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number. 			
<ul style="list-style-type: none"> Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). 			
<ul style="list-style-type: none"> Compare and order numbers up to 1000 . 			
<ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations. 			
<ul style="list-style-type: none"> Read and write numbers up to 1000 in numerals and in words. 			
<ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations. 			
<ul style="list-style-type: none"> Solve number problems and practical problems involving these ideas. 			
Calculation ~ addition & subtraction			
<ul style="list-style-type: none"> Add and subtract numbers mentally, including: <i>a three-digit number and ones</i> <i>a three-digit number and tens</i> <i>a three-digit number and hundreds</i> 			
<ul style="list-style-type: none"> Add & subtract numbers with up to three digits, using formal written methods of columnar + and – 			
<ul style="list-style-type: none"> Estimate answers to calculations; use inverse operations to check answers 			
<ul style="list-style-type: none"> Solve problems, including missing number problems, using number facts, place value & more complex + & - . 			
Calculation ~ multiplication & division			
<ul style="list-style-type: none"> Recall & use x and + facts for the 3, 4 and 8 tables. 			
<ul style="list-style-type: none"> Write and calculate statements for x and + using tables they know, including for TU x U using mental and progressing to formal written methods. 			
<ul style="list-style-type: none"> Solve problems, including missing number problems, involving multiplication and division, including integer scaling problems and correspondence problems in which <i>n</i> objects are connected to <i>m</i> objects. 			
Calculation ~ Fractions, Decimals & Percentages			
<ul style="list-style-type: none"> Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10. 			
<ul style="list-style-type: none"> Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators. 			
<ul style="list-style-type: none"> Recognise and use fractions as numbers: unit fractions & non-unit fractions with small denominators. 			
<ul style="list-style-type: none"> Recognise and show, using diagrams, equivalent fractions with small denominators. 			
<ul style="list-style-type: none"> Add and subtract fractions with the same denominator within one whole [e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] 			
<ul style="list-style-type: none"> Compare and order unit fractions, and fractions with the same denominators. 			

<ul style="list-style-type: none"> Solve problems that involve all of the above. 			
Measures			
<ul style="list-style-type: none"> Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) 			
<ul style="list-style-type: none"> Measure the perimeter of simple 2-D shapes 			
<ul style="list-style-type: none"> Add and subtract amounts of money to give change, using both £ and p in practical contexts 			
<ul style="list-style-type: none"> Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks 			
<ul style="list-style-type: none"> 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, a.m./p.m., morning, afternoon, noon and midnight 			
<ul style="list-style-type: none"> Know the number of seconds in a minute and the number of days in each month, year and leap year 			
<ul style="list-style-type: none"> Compare durations of events, [for example to calculate the time taken by particular events or tasks.] 			
Shape and Space			
<ul style="list-style-type: none"> Draw 2-D shapes and make 3-D shapes using modelling materials; 			
<ul style="list-style-type: none"> Recognise 3-D shapes in different orientations and describe them. 			
<ul style="list-style-type: none"> Recognise angles as a property of shape or a description of a turn 			
<ul style="list-style-type: none"> Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle 			
<ul style="list-style-type: none"> Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. 			
Statistics			
<ul style="list-style-type: none"> Interpret and present data using bar charts, pictograms and tables 			
<ul style="list-style-type: none"> Solve one and two step questions [For example: "How many more?" and "How many fewer?"]... using information presented in scaled bar charts and pictograms and tables 			