

YEAR 3 – NON-NEGOTIABLE EXPECTATIONS: MATHS – 2016/17

NUMBERS AND PLACE VALUE					
1	I can compare and order numbers up to 1000 and read and write numbers up to 1000 in numerals and in words.				
2	I can count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number.				
3	I can recognise the place value of each digit in a 3 digit number (hundreds, tens and ones).				
4	I can identify, represent and estimate numbers using different representations.				
5	I can solve number problems using one and two step operations including missing number problems, using number facts, place value, and more complex addition and subtraction.				
6	I can add and subtract numbers mentally including: a three-digit number and ones a three-digit number and tens a three-digit number and hundreds.				
7	I can add and subtract numbers with up to three digits, using formal written methods.				
8	I can derive and recall multiplication and division facts for the 3, 4 and 8 x tables.				
9	I can write and calculate mathematical statements for multiplication and division; including 2-digit number with a 1-digit (from multiplication tables they know 2, 3, 4, 5, 8 and 10) as well as solve missing numbers, positive integer scaling and correspondence problems.				
FRACTIONS					
10	I can count up and down in tenths and recognise that tenths arise from dividing an object into 10 equal parts and in dividing one digit numbers or quantities by 10.				
11	I can understand unit and non-unit fractions as numbers on the number line, and deduce relations between them, such as size and equivalence				
12	I can recognise, write and find the fractional value of a given set of objects.				
13	I can add and subtract fractions with a common denominator and solve problems using unit and non-unit fractions.				
MEASUREMENT					
14	I can measure and compare, add and subtract: <ul style="list-style-type: none"> • lengths eg m/cm/mm • mass using kg and g • volume/capacity using l and ml. 				
15	I can measure the perimeter of simple 2-D shapes.				
16	I can add and subtract amounts of money to give change, using both £ and p in practical contexts..				
17	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.				
18	I can estimate, read, record and compare time with increasing accuracy to the nearest minute.				
19	I can record and compare time in seconds, minutes and hours accurately; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.				

20	I can know the number of seconds in a minute and the number of days in each month, year and leap year and compare durations of events for example to calculate the time taken by particular events or tasks.						
GEOMETRY							
21	I can draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.						
22	I can recognise angles as a property of shape or a description of a turn; 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.						
23	I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines.						
STATISTICS							
24	I can interpret and present data using bar charts, pictograms and tables.						
25	I can solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.						