Cheselbourne Village School Learning Ladder – Maths

Year 3 National Curriculum Maths Objectives		
Place Value		
I know what each digit means in Hundred Tens and Unit numbers such as 204. E.g. 2 hundreds, 0 tens and 4 units/ones)	I can read and write numbers **up to 1000** in numerals and in words.	I can compare and order numbers **up to 1000.**
I can find 10 more or less than a given number. I can find 100 more or less than a given number.	I can count from 0 in steps of 3, 8, 50 and 100.	I can solve number problems, working with numbers **up to 1000** and in different units of measurement.
Addition & Subtraction (+ and -)		
I can add and subtract numbers in my head, including questions such as 432 – 7, 432 – 70 and 432 - 300.	I can estimate the answer to a question before I work it out and then use inverse operations to check the answer when I have finished. E.g. 32 + 8 = 40 so 40 – 8 = 32	I solve problems such as missing numbers (for example, 452 - ? = 122) using my knowledge of number facts and methods of addition and subtraction.
I can use written methods to add or subtract two three-digit numbers. E.g. 232 + 234	I can work on money problems, adding and subtracting amounts of money and working out how much change is left. I use both £ and p in my problems.	
Multiplication & Division (x and ÷)		
I know my 1, 2, 3, 4, 5, 8, 10 and 11 times tables.	I can use my x/÷ facts to solve longer multiplication problem e.g. 17x5= (5x10 + 5x7=)	I can answer multiplication and division questions such as 16 x 5 or 45 ÷ 9 using the appropriate mental or written method.
I understand that x/÷ is linked and can show this in a number sentence e.g. 7x5=35/5x7=35/35÷7=5/35÷5=7.	I can solve longer multiplication sums using the written methods up to **3 digit by 1 digit.** E.g. 234 x 4	I can answer word problems involving ÷ using my x/÷number facts e.g. 45 children got into 5 groups, how many were in each group?
Fractions		
I know that tenths can be found by dividing an object or shape into ten equal parts or by dividing numbers by 10.	I can find a fraction (such as 2/5 or 3/4) of a number or set of objects.	I can compare and order unit fractions, and fractions with the same denominators (*bottom number of the fraction*).
I can count up and down in tenths.	I know how to find fractions of a shape - such as 3/5, 1/4 or 4/6.	I can show that some fractions have the same value - such as 1/2, 3/6 and 5/10 or 1/3 and 3/9.
I can add and subtract fractions with the same denominator [for example, 5/7 + 1/7 = 6/7].		

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Year 3 Measure, Geometry & Statistics Objectives		
Measure		
I can identify and estimate numbers in different units such as length (mm and m) and weight (g and kg).	I can measure in these units: lengths (m,cm,mm), weight (kg,g) and capacity (l,ml).	I can measure and compare in these units: lengths (m,cm,mm), weight (kg,g) and capacity (l,ml).
I know and use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight in my maths work.	I can measure the perimeter of a 2-D shape such as a square or triangle.	I can tell the time accurately to the nearest minute.
I know the number of seconds in a minute and the number of days in each month, year and leap year.	I can tell and write the time from a clock with numbers or Roman numerals or using 12 and 24 hour clocks.	I can measure and record time passing in seconds, minutes and hours.
I can tell and write the time from a clock with numbers or Roman numerals or using 12 and 24 hour clocks.	I can calculate how long an event or task took to complete.	
Shape		
I recognise and can describe 3-D shapes.	I recognise and can describe 3-D shapes even when they have been turned about in different ways.	I can tell whether an angle is greater than or less than a right angle.
I draw 2-D shapes and make 3-D shapes using modelling materials.	I know what a right angle is and I know that two right angles make a half-turn, three make three quarters of a turn and four right angles make a complete turn.	I know when two lines are perpendicular or parallel.
I know an angle is used to measure how far something turns. An angle is also the point in a 2-D shape.	I know when a line is horizontal or vertical.	
Statistics		
I can make my own bar charts, pictograms and tables.	I can make my own bar charts, pictograms and tables and can answer questions about them.	I can answer maths problems such as 'How many more?' and 'How many fewer?' by finding the information in bar charts, pictograms and tables.