

Year Group Mathematics Objectives - Jane Prelogauskas St Andrew's CE Primary School – August 2014

YEAR THREE	NUMBER & NUMBER FACTS/CALCULATIONS/PLACE VALUE/COUNTING	GEOMETRY/MEASURES MONEY	STATISTICS (Data Handling)	FRACTIONS DECIMALS PERCENTAGES	ALGEBRA
Working towards	<ul style="list-style-type: none"> ~ Count from 0 in multiples of 50 and 100 ~ Find 100 more or less than a given number. ~ Count from 0 in multiples of 4 and 8. ~ Recognise place value of each digit in a three digit number. ~ Identify, represent and estimate numbers using different representations. ~ Recall multiplication facts for the 3, 4 and 8 multiplication tables. ~ Add and subtract numbers mentally, including HTU + U. ~ add and subtract numbers with a written method, including TU + U, TU + T, TU + TU and HTU + U 	<ul style="list-style-type: none"> ~ tell and write the time from an analogue clock. ~ Estimate and read time with increasing accuracy to the nearest minute; use vocabulary such as o'clock, morning afternoon, noon and midnight. ~ Know the number of seconds in a minute. ~ Identify horizontal and vertical lines ~ Draw 2D shapes ~ Make 3D shapes using modelling materials ~ Recognise as a property of shape or a description of a turn. ~ Measure and compare lengths (m,cm,mm); mass (kg/g); volume/capacity (l/ml) ~ add and subtract amounts of money to give change, using both £ and p in practical contexts 	<ul style="list-style-type: none"> ~ Interpret and present data using bar charts, pictograms and tables 	<ul style="list-style-type: none"> ~ Recognise and find and write fractions of a discrete set of objects; unit fraction and non-unit fractions with small denominators ~ Recognise and use fractions as numbers ~ Compare and order unit fractions and fractions with the same denominators 	
Mainly Achieved	<ul style="list-style-type: none"> ~ Compare and order numbers up to 1000. ~ Read and write numbers up to 1000 in numerals and in words. ~ Use multiplication and division facts for the 3,4,8 tables. ~ Add and subtract mentally including HTU + T. ~ Calculate mathematical statements for multiplication and division using the multiplication tables that they know, using mental methods. ~ Add numbers with up to 3 digits using formal written methods of columnar addition. ~ Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know using efficient written methods. ~ Solve problems including missing number problems, using number facts, place value and more complex addition and subtraction. 	<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 ~ Record and compare time in terms of seconds, minutes and hours. ~ Compare duration of events. ~ Measure the perimeter of simple 2D shapes ~ Pairs of perpendicular and parallel lines ~ Recognise 3D shapes in different orientations and describe them. ~ Identify right angles. ~ Add and subtract: lengths (m,cm,mm); mass (kg/g); volume/capacity (l,ml) ~ Recognise that 2 right angles make a half turn, 3 make ¾ turn and 4 a complete turn. ~ Add and subtract amounts of money to give change, using both 	<ul style="list-style-type: none"> ~ Solve one-step questions (eg. @ How many more?, How many fewer?), using information presented in scaled bar charts and pictograms and tables. 	<ul style="list-style-type: none"> ~ Recognise and use unit fractions and non-unit fractions with small denominators. ~ Recognise and show, using diagrams, equivalent fractions with small denominators. 	

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		£ and p in practical contexts.			
Achieved	<ul style="list-style-type: none"> ~ Add and subtract numbers mentally including HTU + H. ~ Calculate mathematical statements for multiplication and division including for 2 digit numbers times 1 digit numbers, using mental methods. ~ Subtract numbers with up to 3 digits, using formal written methods of columnar subtraction. ~ Write and calculate mathematical statements for multiplication and division using 2 digit numbers times one digit numbers, using efficient written methods. ~ Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which 'n' objects are connected to 'm' objects. 	<ul style="list-style-type: none"> ~ Use vocabulary am/pm ~ Know the number of days in each month, year and leap year. ~ Identify whether angles are greater or less than a right angle. ~ Identify horizontal, vertical, perpendicular and parallel lines in relation to other lines. ~ 	Solve two-step questions using information presented in scaled bar charts, pictograms and tables.		