

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

YEAR TWO	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 in steps of 2 and 5 from 0. Count in tens from 0 and back again. ~ Recognise the place value of each digit in a 2 digit number ~ Read and write numbers to at least 50 in numerals and words. ~ Use place value to solve problems. ~ Recall and use addition and subtraction facts to 20 fluently. ~ Recognise odd and even numbers. ~ Begin to recall multiplication and division facts to solve problems. ~ Begin to recall multiplication facts for 2,5,10 times tables. ~ Add and subtract numbers mentally including TU+U and U+U+U. ~ Solve problems with addition and subtraction, using concrete, pictorial and abstract representations. ~ Find different combinations of coins to make a particular value. 	<ul style="list-style-type: none"> ~ Compare and sequence intervals in time. ~ Know the number of minutes in an hour and hours in a day. ~ Identify and describe the properties of 2D shapes including symmetry, the number of edges, vertices and faces. ~ Compare and sort common 2D and 3D shapes and everyday objects. ~ Order and arrange combinations of mathematical objects in patterns and sequences. ~ Choose and use appropriate standard units and equipment to estimate and measure length/height in centimetres and metres. ~ Recognise and use symbols of £, p. 	<ul style="list-style-type: none"> ~ Interpret and construct simple pictograms tally charts, block diagrams and simple tables. 	<ul style="list-style-type: none"> ~ Recognise, find name and write fractions $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{4}$, $\frac{3}{4}$ of a shape. 	
Mainly Achieved	<ul style="list-style-type: none"> ~ Count in 10s from any number; count in steps of 2, 3 and 5 from any number. Compare and order numbers from 0- 100 ~ Use < and > and = symbols. ~ Identify, represent and estimate numbers using different representations including the number line. ~ Read, write and order numbers to at least 100 in numerals and in words. ~ Use place value and number facts to solve problems. ~ Accurately and quickly recall multiplication facts for 2,5,20 times tables. ~ Add and subtract numbers mentally eg: TU+U and TU + TU ~ Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (x) and (=) signs. ~ Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. ~ Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. 	<ul style="list-style-type: none"> ~ Tell and write the time to 5 minutes including quarter past/to the hour and draw the hands on a clock face to show these times. ~ Identify 2D shapes on the surface of 3D shapes. Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (degrees C); capacity (litres/mls) to the nearest appropriate unit, using scales, thermometers and measuring vessels. ~Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line. ~ Find different combinations of coins that equal the same value. 	<ul style="list-style-type: none"> ~ Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. 	<ul style="list-style-type: none"> ~ Recognise, find, name and write fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, and $\frac{3}{4}$, sets of objects and quantities. 	

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<p>Achieved</p>	<ul style="list-style-type: none"> ~ Count in steps of 2,3, and 5 from any number, forward and backward ~ Count in tens from any number forward and backward ~ Recall and use multiplication and division facts for the 2,5, and 10 multiplication tables. ~ Recall and use addition and subtraction facts to 20 fluently and derive and use related facts to 100. ~ Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division and = symbols. ~ 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. 	<ul style="list-style-type: none"> ~ Tell and write the time to five minutes and draw the hands on a clock face to show these times. ~ Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces. ~ Compare and order lengths, mass volume/capacity and record the results using <, > and = ~ Distinguish between rotation as a turn and in terms of right angles for quarter, half and three quarter turns. ~ Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. 	<ul style="list-style-type: none"> ~ Ask and answer questions about totalling and comparing categorical data. 	<ul style="list-style-type: none"> ~ Recognise, name, and write fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$ of a length. ~ Recognise the equivalence of $\frac{1}{2}$ and $\frac{2}{4}$ 	
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