St John's C of E Infant School
Medium Term Plan – Mathematical Understanding
Term: Autumn 2: Remembrance, Space, Christmas 2016

Subject Area	L		Objective (Programme of Study)	Success Criteria (Skills)
Maths		2 weeks 1st November, 7th November	Adding two digit numbers using a number line. Doubling numbers	I am able to draw own number lines to add I can add up multiples of 10. I know this is to do with place value.
			Be able to halve numbers using a variety of different methods.	I can calculate half up to 100 I can calculate half up to 50
			Solve problems involving addition. Add two 2 digit numbers. Discuss ways – relate to place value knowledge.	I can add 2 digit numbers using pen and paper methods. I use equipment effectively to solve problems. I can count in tens correctly.
			Add and subtract using partitioning.	I can exchange in addition and subtraction calculations. I am able to exchange units for tens. I can count structured equipment correctly.
			Use a range of strategies to add 2 digit numbers. Present some worded problems – find the sum!	I am able to find the sum behind the problem and solve it. I can add and subtract 2 digit numbers.

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		2 weeks, 14th November, 21st November	Subtraction. Demonstrate it physically by using the children in groups outside. Solve subtraction problems.	I use counting on or back to solve subtraction. I accurately count back to solve subtraction. I can solve subtractions using teen numbers.
			Know whether sums should be solved by counting forwards or back. Solve some by doing these, decide which is easiest.	I know whether sums should be solved by counting on or back. I am able to solve simple subtraction calculations
			Using number lines to solve 2 digit subtraction problems. Solve as a whole class then in pairs.	I can use a number line to solve subtraction questions. I am able to solve problems using a number line.
			Halving – Practise strategies to half numbers – begin with numbers to 20, then work on how to half 2 digit numbers.	I am able to recall some halving number facts. I can work out half of any even two digit number.
			Work with quarters and 3 quarters of shapes. Are they able to picture what a quarter looks like. Relate to pizza slices.	I know what quarter of a simple shape looks like. I can investigate quarters and halves accurately. I am able to show ¾ of a circle or other regular shape.
			Explore lines of symmetry when finding quarters, halves and ¾.	I know what a line of symmetry is. I can find simple lines of symmetry in regular shapes. I know that shapes often have more than one line of symmetry.

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		2 weeks, 28th November, 5th December	Use repeated addition: How many of different numbers to make … Link to use of multiplication sign.	I can use the multiplication sign I can accurately calculate repeated addition I am able to record work accurately and clearly
			Repeated addition - link sums to multiplication number sentences	I clearly link multiplication and repeated addition. I can find multiplication number sentences accurately. I am beginning to use repeated addition.
			Count objects accurately by grouping into 2s, 5s, 10s etc… write as repeated addition and multiplication	I can count by grouping and link to multiplication. I count by grouping.
			Make inverse sums – make 2 take-aways from addition	I am able to use inverse sums. I solve simple inverse sums. I can make inverse sums up to 10.
			Begin to solve simple word problems involving multiplication	I can solve simple multiplication problems.
			Use repeated addition and multiplication to solve birthday cake problem	Use repeated addition and multiplication to solve a practical problem.
			Tallying: tally vehicles in 5s. Work out amounts using repeated addition then multiplication	I can create a tally. I can use repeated addition to work out amounts. I can use multiplication to find total amounts.