

St John's C of E Infant School
Medium Term Plan - Mathematical Understanding
Term: Autumn 1 Fighting Fit and the Gunpowder Plot

NC	Objective (Programme of Study)	Success Criteria (Skills)
Unit A1	Speak in class to present solutions to puzzles and problems in an organised way	To clearly say/explain their methods To relate their own methods to a number sentence.
2 weeks	Read and write 2 and 3 digit numbers. Partition two digit numbers and place them on a number line.	To know that all numbers can be partitioned into HTU. To identify partitioned groups. To identify tens and units in numbers Correctly write corresponding number sentences. To correctly use the terms tens and units
	Recognise odd and even numbers. Describe and extend number sequences.	To create number sequences up to 100 To make up own number sequences To say which are odd and even up to 20. To know how to work out odd and even numbers
	Count up to 100 objects by grouping them into tens, fives and twos. Estimate a number of objects, round numbers to the nearest 10	To investigate the properties of a number. To order numbers correctly to 100. To count 30 objects and group correctly. To order numbers correctly to 50. To count 20 objects and group correctly. To order numbers correctly to 30.
	Add or subtract a one digit number or a multiple of 10 from any 2 digit number.	Be able to add multiples of 10. To subtract multiples of 10 Be able to add 10 to any given number. Be able to subtract 10 from a 10s number To use a 100 square successfully to add 10 to any given number. To correctly demonstrate how to subtract ten on a 100 square.

Unit B1	Describe patterns and relationships involving numbers or shapes.	To be able to draw their own number line and use it accurately. To know that distances between numbers must be equal. To begin to know the multiples of 10 to 100.
3 weeks	Solve problems involving addition, subtraction in contexts of numbers, measures or pounds and pence	To solve the problem and present results accurately. To be able to solve a problem and explain how they achieved the answer. To successfully use a 100 square and identify numbers over 30.
	Derive and recall addition and subtraction facts for each no. to at least 10 and all pairs to 20 and all pairs of multiples of 10 to 100.	To recognise the links between a number line and 100 square and record results. To be able to count on and back on a number square in order to solve simple problems.
	Understand that halving is the inverse of doubling	To begin to develop recall of halves and doubles. To be able to halve numbers accurately. To double a range of numbers. To halve small numbers accurately.
	Derive and recall doubles of all numbers to 20.	To double numbers mentally. To double numbers with equipment where necessary. To double numbers to 10 accurately.
	Visualise common 2D and 3D shapes, describing their properties	Identify some of the properties of 3D shapes: sort accordingly. To recognise that different nets make cuboids To know the difference between edges and faces. Identify shapes by their properties and recall shape names. To recognise that different nets make cuboids. To be able to accurately count faces on their 3D shapes. Recall shape names. To turn their box inside out and identify the shape it makes. To accurately sort shapes. To accurately sort simple shapes. To be able to identify simple shapes by their properties. To accurately tessellate shapes.

Unit C1 2 weeks	Organise and present information in lists, tables and simple diagrams. Collect and record data, represent in a block graph or pictogram Use ICT to present results. Sort objects and explain choices using appropriate language.	To draw in own numbers on a graph. To be able to compile an accurate graph. To complete a graph working in a group and to discuss what is shown To sort and record accurately. To accurately sort against given criteria.
	Decide what information is needed to answer a question.	To make an accurate chart and ask and answer questions. To find 2 questions to ask and answer about their work.
	Estimate, compare and measure lengths, weights and capacities choosing and using standard units (m, cm, kg, litre) and suitable measuring instruments.	Use a ruler accurately. Estimate lengths. To use a ruler accurately and measure carefully. Measure and record accurately. Order information and present it to others.
	Use a balance to find 'heavier than' and 'lighter than'.	To weigh items with accuracy. Measure mass accurately. Record in a clear way. To be able to estimate a kilo and weigh it accurately.
	Read numbered divisions on a scale and interpret the divisions between them.	To accurately measure using different measuring tools. To draw Scale pictures with divisions marked