Maths Medium Term

Year: 3   **Term: Autumn**   **Teacher: Miss Davies**

Week	Topic	Objectives
Week 1/2	Number and Place Value	Continue to count in ones, tens and hundreds Recognise the place value of numbers up to three digits to 150 (hundreds, tens and ones) Partition and re-partition 2 and 3 digit numbers Compare and order numbers to 150 Identify, represent and estimate numbers using different representations, including the number line Round numbers up to 100 to the nearest 10 or 100 using a number line Find 1, 10 more or less than a given number Solve problems involving number and place value
Week 3	Addition up to 100 to solve problems	*Ensure children think –can I do it in my head, with some jottings or by using a written method* Estimate answers to calculations *Add numbers using concrete objects, pictorial representations, and mentally, including:* *- 2-digit number and ones* *-a 2-digit number and tens* *-two 2-digit number (Year 2 objective)* **Add** numbers mentally, including combinations of up to two-digit numbers and ones Solve missing number problems Solve problems involving these ideas - use practical equipment to support
Week 4	Subtraction up to 100 to solve problems	*Ensure children think –can I do it in my head, with some jottings or by using a written method* *Ensure range of questions that require either take away or difference for subtraction* Estimate answers to calculations *Subtract numbers using concrete objects, pictorial representations, and mentally, including:* *- 2-digit number and ones*

		-a 2-digit number and tens -two 2-digit number (Year 2 objective) **Subtract** numbers mentally, including combinations of up to three-digit numbers and ones Solve missing number problems Solve problems involving these ideas - use practical equipment to support Use inverse to check the answers to addition and subtraction calculations
Week 5	Measures- Money	Ensure children think –can I do it in my head, with some jottings or by using a written method Estimate answers to calculations Recognise coinage and bank notes Add and subtract money to find totals and to give change for money up to £1 Use inverse to check the answers to calculations Use £ or p Solve problems, including missing number problems around money
Week 6	Measures- Length	Estimate, measure and compare some lengths (m, cm) Read and interpret the scale on a range of measuring equipment-rules, tapes etc. Understand that perimeter is a measure of distance Measure objects including the perimeter of some simple 2-D shapes Ensure children think –can I do it in my head, with some jottings or by using a written method Estimate answers to calculations Apply measures to some addition and subtraction problems Use inverse to check answers to calculations Solve problems involving length
Week 7	Fractions to solve problems	Count up and down in ½, ¼, 1/10 up to 10 Recognise, find and name fractions of some objects- a half, a quarter and a tenth with whole number answers Find ¾ of a set of objects Calculate fractions of amounts practically and link to division and to length, money etc. Recognise and use fractions as numbers- thirds, halves, quarters and tenths Solve problems involving fractions

Week 8	Multiplication to solve problems	Ensure children think –can I do it in my head, with some jottings or by using a written method Estimate answers to calculations Count from 0 in multiples of 10, 5, 2 Describe and extend number sequences involving counting on or back in sizes different steps- link to manipulatives and arrays Recall and use multiplication facts for the 10, 5, 2 times tables. Write and calculate number sentences for 2x, 5x, and 10x, tables –link to arrays and manipulatives Solve missing number problems involving multiplications -link to arrays and manipulatives Solve multiplication problems involving money and measures.
Week 9	Division to solve problems	Ensure children think –can I do it in my head, with some jottings or by using a written method Estimate answers to calculations Recall and use division facts for the 10, 5 and 2 times tables. Write and calculate number sentences for 2x, 5x, and 10x, tables and the related division facts –link to arrays and manipulatives Solve missing number problems involving division-link to arrays and manipulatives Solve division problems involving money and measures. Use inverse to check answers to multiplication and division calculations

Week 10	Shape and Position and Direction	Continue to compare and sort some common 2-D/3-D shapes and everyday objects. (Year 2 objective)
		Make and then describe some 2D/3D shapes using modelling materials -edges, vertices and faces
		Recognise some 2D/3D shapes in different orientations
		Identify a right angle
		Recognise angles as a description of a turn
		Use correct vocabulary to describe rotation in terms of right angles
		    - 2 make a half turn,
		    - 3 a three quarter turn
		    - 4 a complete turn
		Identify horizontal and vertical lines
		Solve problems involving shape
		Solve problems involving position and /or direction

Week 11	Statistics	Read and interpret a range of scales Construct pictograms, bar charts and/or tables where the scale increases by 1, 2, 3,5 or 10 Interpret pictograms, bar charts and/or tables Answer up to two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms or/and tables Solve problems involving statistics
Week 12	Measures – Time	Estimate, read and write time up to the nearest five minutes from an analogue clock Record and compare time as minutes and/or hours Use vocabulary such as o'clock, a.m. /p.m., morning, afternoon, noon and midnight. Know the number of seconds in a minute (60) and the number of days in each month, year (365) and leap year (366). Solve simple problems involving passage of time-use a number line
Week 13	Assess and Review	