Maths Medium Term

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

Week	Topic	Objectives
Week 1	PLACE VALUE	• *Continue to count in ones, tens and hundreds* • Recognise the place value of three digit numbers to at least 200 • *Partition numbers in different ways* • Partition and re-partition 2 and 3 digit numbers to at least 200 • Compare and order numbers to at least 200 • Recognise the place value of each digit in a three-digit number (hundreds, tens and ones) to at least 200 • Identify, represent and estimate numbers using different representations, *including the number line* • *Round numbers to at least 200 to the nearest 10 or 100 using a number line* • Find 1, 10 or 100 more or less than a given number • Solve problems involving number and place value
Week 2 + 3	ADDITION AND SUBTRACTION TO 200 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 • *Add and 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)* • **Add** numbers mentally, including: combinations of two digit numbers or of three-digit number and ones • **Subtract** numbers mentally, including combinations of two digit numbers or of three-digit number and ones

		• Begin to **add** two 2-digit numbers crossing the tens and/or hundred boundaries. Use a column method of written recording supported by manipulatives (answer less than 200) • Begin to **subtract** a 2 digit numbers from a 2 digit number crossing the tens using an expanded method of written recording and manipulatives • Solve missing number problems • Use inverse to check the answers to calculations Solve problems involving these ideas - use practical equipment to support
Week 4	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 to £2 • Use inverse to check the answers to calculations • Use £ or p Solve problems, including missing number problems around money
Week 5	MEASURES LENGTH	• Estimate, measure and compare 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 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 addition and subtraction problems • Use inverse to check answers to calculations Solve problems involving length
Week 6	FRACTIONS TO SOLVE PROBLEMS	• Count up and down in ½, 1/3 ¼, 1/10 to 10 • Recognise, find and name fractions of a set of objects- a third, 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 7 + 8	MULTIPLICATION AND DIVISION TO	• *Ensure children think –can I do it in my head, with some jottings or by using a written method* • Estimate answers to calculations

	SOLVE PROBLEMS	• Count from 0 in multiples of 3 or 4 • *Describe and extend number sequences involving counting on or back in sizes different steps- link to manipulatives and arrays* • Recall and use multiplication and division facts for the 3 and 4 times tables. • Write and calculate number sentences for 2x, 3x 4x 5x, and 10x, tables and the related division facts *–link to arrays and manipulatives* • Use inverse to check answers to calculations • Solve missing number problems involving multiplications or division-*link to arrays and manipulatives* *Solve multiplication or division problems involving money and measures.*
Week 9	SHAPE AND POSITION AND DIRECTION	• *Continue to compare and sort common 3-D shapes and everyday objects. (Year 2 objective)* • Make and then describe 3D shapes using modelling materials -edges, vertices and faces • Recognise 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 and pairs of perpendicular and parallel lines-*link to right angles* • Solve problems involving shape Solve problems involving position and /or direction
Week 10	STATISTICS	• Read an interpret an range of scales • Construct pictograms, bar charts and tables where the scale increases by 2, 3,5 or 10 • Interpret pictograms, bar charts and tables • Answer one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables Solve problems involving statistics
Week 11	MEASURES - TIME	• Estimate, read and write time to a least the nearest five minutes from an analogue clock • Record and compare time as minutes and hours • Use vocabulary such as o'clock, a.m. /p.m., morning, afternoon, noon and midnight. • Know the number of seconds in a minute and the number of days in each month, year and leap year.

		• Solve simple problems involving passage of time-use a number line
Weeks 12 & 13	ASSESS AND REVIEW	