Maths Medium Term Plan: Year 2 — Spring – first half (Term 2a)

Wk	Topics	Objectives
1	Number • addition & subtraction • number sequences • read and write 4-digit numbers	• Describe and extend simple number sequences • Count on and back in tens from any 2-digit number • Recognise the place value of digits in a 2-digit number, and extend this to 3-digit numbers • Use mathematical apparatus to partition 3-digit numbers into hundreds, tens and units • Begin to recognise and read 4-digit numbers • Read and write numbers to 100 in both words and numerals
2	Number • doubles • addition & subtraction • number facts • counting in tens	• Recognise and develop recall of number doubles to 10 • Use this knowledge to calculate near doubles • Use this knowledge of doubles facts to solve word problems • Know all addition facts for each number to at least 10 • Recognise 0 as a set with no objects • Count backwards in steps of 10 • Subtract multiples of 10 from any 2-digit number • Recognise that when counting backwards in tens, the tens will change while the units will remain the same
3	Number • addition & subtraction • repeated addition • multiplication • inverse operations	• Rehearse counting backwards in steps of 1, 2 and 10 • Subtract multiples of 10 by jumping backwards in tens • Subtract 11 & 12 by taking away 10 and adjusting • Use a number square and mental maths to support addition and sutraction • Understand 'lots of' 3 and 5 as repeated addition • Describe and extend simple number sequences – counting on in twos and fives • Use knowledge of addition and subtraction to solve 'real life' problems • Understand that addition can be written in any order, and that addition is the inverse of subtraction

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4	Number • 1 more/less, 10 more/less • ordinal numbers • number properties	• Solid understanding of the number system within 100 • Recognise and say what number is 1 more/less and 10 more/less and use place value to support this understanding • Begin to sort and order numbers using vocabulary relating to ordinal numbers • Begin to sort and compare numbers based on their properties – understanding numbers as part of the 2, 5 & 10 times tables, odd & even numbers • To talk about and describe numbers within 100 in terms of these properties • Use a Carroll Diagram to sort and compare numbers based on 2 criteria • Read and write numbers to 100 in both words and numerals
5	Measurement • weight • capacity • ordering using ‹ and › • 'real life' measure problems	• Describe and extend simple number sequences: count in hundreds from and back to zero • Rehearse measuring weight in non-standard units • Recognise the need for standard units of measure for weight • Estimate, measure and compare masses, using standard units (g/kg/) • Suggest suitable units and equipment for such measurement • Use knowledge of multiplication tables to read a scale in steps of 2, 5, 10, 100, including a scale where not all numbers are displayed • Ordering weights from lightest to heaviest, using ‹ and › signs • Understand capacity and a measure of volume inside a container • Estimate, measure and compare capacities, using standard units (ml, l) • Order capacities from smallest capacity to largest capacity, using ‹ and › signs
6	Number • multiplication • commutativity • 'real life' word problems • division • remainders	• Can count in steps of 2, 3, 5 and 10 using mental recall • Recognise the x symbol as meaning 'lots of' • Count in steps of 2, 3, 5 and 10 to solve multiplication problems, up to 12x • Understand commutativity – that multiplication can be calculated in either order • Use this learning to solve multiplication word problems • Recognise the ÷ symbol as 'division • Solve division problems through a method of sharing, and that each 'group' must be equal so as to be divided accurately • Recognise the relationship between multiplication and division, by counting in multiples of 2, 3, 5 and 10 to quickly solve division problems • Know that when a number cannot be divide equally, there will be a remainder • Know how to represent this (eg 10 ÷ 3 = 3 r1)