Manor Church of England Infant School Medium Term Planning: **Maths (Year 1)**
Term: **Spring**

Week	Domain	Mental / Oral Objectives	Y1 Objectives	Key Vocabulary	Resources
Spring 1					
1	Number – number and place value	Counting forwards and backwards from 75 Ordering numbers Counting in 2s Counting in 5s Counting in 10s read and write numbers from 1 to 20 in numerals and words	• count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens • given a number, identify one more and one less • identify and represent numbers using objects and pictorial representations including • the number line, and use the language of: equal to, more than, less than (fewer), most, least • read and write numbers from 1 to 20 in numerals and words.	Forwards, backwards, numerals, represent, pictorial, number line, equal to, more than, less than (fewer), most, least, ones, tens	Objects, Numicon, number lines, 100 square
	Measurement		• tell the time to the hour and half past the hour and move the hands on a clock face to show these times.	clock, hands, second, hour, minute, half past, o'clock, before, after	clocks
2	Addition		• read, write and interpret mathematical statements involving addition (+) and equals (=) signs	Add, altogether, more, bigger, adding, sum, plus, total, make	Number lines, dienes, rulers

			• represent and use number bonds and related subtraction facts within 20 • add one-digit and two-digit numbers to 50, including zero • solve one-step problems that involve addition, using concrete objects and pictorial representations		
	Geometry – properties of shape		• recognise and name common 2-D, including: • 2-D shapes [for example, rectangles (including squares), circles and triangles]	rectangles (including squares), circles and triangles, pentagon, hexagon, sides, corners	Shapes, peg boards,
3	Addition	Counting forwards and backwards from 75 Ordering numbers Counting in 2s Counting in 5s Counting in 10s Number bonds to 10	• read, write and interpret mathematical statements involving addition (+) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = – 9.	Add, altogether, more, bigger, adding, sum, plus, total, make	Numicon, dienes, objects, number rack, 10s frame, Cuisenaire rods
	Number – fractions		• recognise, find and name a half as one of two equal parts of an object, shape or quantity	Half, equal, parts	Shapes, objects, Numicon
4	Subtraction		• read, write and interpret mathematical statements involving subtraction (-) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • subtract one-digit and two-digit numbers to 50, including zero • solve one-step problems that involve subtraction, using concrete objects and pictorial representations	Subtract, smaller, take away, less, difference between, leave, minus	Objects, Numicon, dienes

	Measurement		• compare and describe mass/weight [for example, heavy/light, heavier than, lighter than]	Heavy, light, heavier than, lighter than, scales, balanced, equal, estimate	Scales, objects, weights, Numicon
5	Subtraction		• read, write and interpret mathematical statements involving subtraction (-) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • subtract one-digit and two-digit numbers to 50, including zero • solve one-step problems that involve subtraction, using concrete objects and pictorial representations • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = – 9.	Subtract, smaller, take away, less, difference between, leave, minus	Dienes, number lines, ruler
	Measurement		• compare and describe capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]	Full, empty, more than, less than, half, half full, quarter, same, different, measuring jug, measuring cylinder, pour	measuring jug, measuring cylinder, water
6	Multiplication		• solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	Times, array, multiply, repeated addition, lots of, groups of	Numicon, objects, pairs of socks/wellies, cotton buds, paint

	Number – fractions		• recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	quarter, equal, parts	Shapes, objects, Numicon
7	Division		• solve one-step problems involving division, by calculating the answer using concrete objects and pictorial representations with the support of the teacher	Share, divide, divided by, shared between, share equally, equal groups of	Objects, sorting rings, bowls
	Measurement		• recognise and know the value of different denominations of coins and notes	Money, pence, pound, coin, note, p, £, amount	Coins, notes, Numicon
Spring 2					
1	Number – number and place value	Counting forwards and backwards to/from 75 and from any number Counting in 2s Counting in 5s Counting in 10s Read and write numbers	• count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number • count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens • given a number, identify one more and one less • identify and represent numbers using objects and pictorial representations including • the number line, and use the language of: equal to, more than, less than (fewer), most, least • read and write numbers from 1 to 20 in numerals and words.	Forwards, backwards, numerals, represent, pictorial, number line, equal to, more than, less than (fewer), most, least, ones, tens	Objects, Numicon, number lines, 100 square

	Measurement	from 1 to 10 in numerals and words	• tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	clock, hands, second, hour, minute, half past, o'clock, before, after, minute hand, hour hand	Clocks, blank clocks
2	Addition		• read, write and interpret mathematical statements involving addition (+) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • add one-digit and two-digit numbers to 75, including zero • solve one-step problems that involve addition, using concrete objects and pictorial representations	Add, altogether, more, bigger, adding, sum, plus, total, make	Number lines, dienes, rulers
	Measurement		• compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than] • measure and begin to record the following: mass/weight	Heavy, light, heavier than, lighter than, scales, balanced, equal, estimate	Scales, objects, weights, Numicon
3	Addition	Counting forwards and backwards from 100 Counting in 2s Counting in 5s	• read, write and interpret mathematical statements involving addition (+) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = – 9.	Add, altogether, more, bigger, adding, sum, plus, total, make	Numicon, dienes, objects, number rack, 10s frame, Cuisenaire rods
	Measurement	Counting in 10s Number bonds to 20	• compare, describe and solve practical problems for: lengths [for example, long/short, longer/shorter, double/half] • measure and begin to record the following: lengths	long/short, longer/shorter, double/half, shorter, shortest, longer, shorter	Objects, ruler

4	Subtraction	Read and write numbers from 1 to 20 in numerals and words	• read, write and interpret mathematical statements involving subtraction (-) and equals (=) signs • represent and use number bonds and related subtraction facts within 20 • subtract one-digit and two-digit numbers to 75, including zero • solve one-step problems that involve subtraction, using concrete objects and pictorial representations • solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = – 9.	Subtract, smaller, take away, less, difference between, leave, minus	Dienes, number lines, ruler
	Measurement		• compare, describe and solve practical problems for: heights [for example, tall/short, taller/shorter, double/half] • measure and begin to record the following: heights	tall/short, taller/shorter, double/half, shorter, shortest, tallest, shorter	Objects, ruler
5	Multiplication		• solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	Times, array, multiply, repeated addition, lots of, groups of	Numicon, objects
	Geometry – properties of shape		• recognise and name common 3-D shapes including: • 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].	cuboids (including cubes), pyramids, spheres, cone,	3D shapes
6	Division		• solve one-step problems involving division, by calculating the answer using concrete objects and pictorial representations with the support of the teacher	Share, divide, divided by, shared between, share equally, equal groups of	Objects, sorting rings, bowls

	Geometry – properties of shape		• recognise and name common 2-D, including: • 2-D shapes [for example, rectangles (including squares), circles and triangles]	rectangles (including squares), circles and triangles, pentagon, hexagon, sides, corners	Shapes, peg boards,