



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

Week	Domain	Mental / Oral Objectives	Y1 Objectives	Key Vocabulary	Resources
Summer 1					
1	Number – number and place value	Counting forwards and backwards from 100 Counting in 2s Counting in 5s Counting in 10s read and write numbers from 1 to 20 in words	<ul style="list-style-type: none"> 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 2s, 5s and 10s given a number, identify 1 more and 1 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		<ul style="list-style-type: none"> compare, describe and solve practical problems for capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] measure and begin to record capacity and volume 	Full, empty, more than, less than, half, half full, quarter, same, different, measuring jug, measuring cylinder, pour, millilitres, litres	measuring jug, measuring cylinder, water
2	Addition		<ul style="list-style-type: none"> read, write and interpret mathematical statements involving addition (+) and equals (=) signs 	Add, altogether, more, bigger, adding, sum, plus, total, make	Number lines, dienes, rulers

			<ul style="list-style-type: none"> represent and use number bonds and related subtraction facts within 20 add one-digit and two-digit numbers to 100, including zero solve one-step problems that involve addition, using concrete objects and pictorial representations 		
	Geometry – properties of shape		<ul style="list-style-type: none"> recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles] 	rectangles (including squares), circles and triangles, pentagon, hexagon, sides, corners	Shapes
3	Subtraction	<p>Counting forwards and backwards from 100</p> <p>Ordering numbers</p> <p>Counting in 2s</p>	<ul style="list-style-type: none"> 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 100, including zero solve one-step problems that involve subtraction, using concrete objects and pictorial representations 	Subtract, smaller, take away, less, difference between, leave, minus	Number lines, dienes, rulers
	Measurement	<p>Counting in 5s</p> <p>Number bonds to 20</p>	<ul style="list-style-type: none"> compare and describe mass/weight [for example, heavy/light, heavier than, lighter than] measure and begin to record mass/weight 	Heavy, light, heavier than, lighter than, scales, balanced, equal, estimate, gram, grams	Scales, objects, weights, Numicon
4	Missing number problems		<ul style="list-style-type: none"> 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 solve one-step problems that involve addition and subtraction, using concrete 	Missing, equal, add, altogether, more, bigger, adding, sum, plus, total, make, subtract, smaller, take away, less, difference between, leave, minus	Numicon, objects, number line

			<p>objects and pictorial representations, and missing number problems such as $7 = ? - 9$</p> <ul style="list-style-type: none"> represent and use number bonds and related subtraction facts within 20 		
	Geometry - position and direction		<ul style="list-style-type: none"> describe position, direction and movement, including whole, half turns 	position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, clockwise, anti-clockwise	Arrows
5	Fractions		<ul style="list-style-type: none"> recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity 	quarter, equal, parts, half, whole, grouping, combine	Shapes, objects, Numicon, sharing circles
	Geometry - position and direction		<ul style="list-style-type: none"> describe position, direction and movement, including whole, half, quarter and three-quarter turns 	position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside, whole, half, quarter, three-quarter, clockwise, anti-clockwise	Arrows

Summer 2

1	Addition	Counting forwards and backwards to/from 100 and from any number Count in 2s, 5s and 10s	<ul style="list-style-type: none"> • 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 100, 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, Numicon
	Geometry – properties of shape	Read and write numbers from 1 to 20 in words	<ul style="list-style-type: none"> • recognise and name common 3-D shapes [for example, cuboids (including cubes), pyramids and spheres]. 	cuboids (including cubes), pyramids, spheres, cones, cylinder, vertices, faces, edges	3D shapes
2	Subtraction		<ul style="list-style-type: none"> • 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 100, including zero • solve one-step problems that involve subtraction, using concrete objects and pictorial representations 	Subtract, smaller, take away, less, difference between, leave, minus	Number lines, dienes, rulers
	Measurement		<ul style="list-style-type: none"> • compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] • measure and begin to record time (hours, minutes, seconds) 	Second, minute, hour, hand, clock face, quicker, slower, earlier, later	Clocks

			<ul style="list-style-type: none"> tell the time to the hour and half past the hour and draw the hands on a clock face to show these times 		
3	Multiplication	Counting forwards and backwards from 100 Number bonds to 20	<ul style="list-style-type: none"> 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 make connections between arrays, number patterns, and counting in 2s, 5s and 10s 	Times, array, multiply, repeated addition, lots of, groups of	Numicon, objects
	Measurement	Count, read and write numbers to 100 in numerals	<ul style="list-style-type: none"> recognise and know the value of different denominations of coins and notes measure and begin to record amounts of money 	Coin names, change, coin, pence, note, pound, two, five, ten, one	money
4	Division	Count in multiples of 2s, 5s and 10s	<ul style="list-style-type: none"> solve one-step problems involving division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher 	Share, divide, divided by, shared between, share equally, equal groups of	Objects, sorting rings, bowls
	Measurement		<ul style="list-style-type: none"> compare, describe and solve practical problems for: length [for example, long/short, longer/shorter, double/half] measure and begin to record the following: length 	long/short, longer/shorter, double/half, shorter, shortest, longer, shorter, cm	Objects, ruler
5	Measurement		<ul style="list-style-type: none"> recognise and know the value of different denominations of coins and notes measure and record amounts of money solve one-step problems involving multiplication by calculating the answer using concrete objects, pictorial representations 	Coin names, change, coin, pence, note, pound, two, five, ten, one	money
	Geometry – properties of shape		<ul style="list-style-type: none"> recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles] 	rectangles (including squares), circles and	Shapes

			<ul style="list-style-type: none"> identify the properties of common 2-D shapes 	triangles, pentagon, hexagon, sides, corners	
6	Fractions		<ul style="list-style-type: none"> recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity 	quarter, equal, parts, half, whole, grouping, combine	Shapes, objects, Numicon, sharing circles
	Measurement		<ul style="list-style-type: none"> compare, describe and solve practical problems for capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] measure and begin to record capacity and volume 	Full, empty, more than, less than, half, half full, quarter, same, different, measuring jug, measuring cylinder, pour, millilitres, litres	measuring jug, measuring cylinder, water