



Manor Church of England Infant School Medium Term Planning: **Maths (Year R)**
Term: Autumn

Week	Domain	Mental / Oral Objectives	Year R Objectives	Key Vocabulary	Resources
Autumn 1					
1	Home Visits				
2	Count objects, actions and sounds.	Counting rhymes Counting to 10.	Development Matters 3-4 Year Olds <ul style="list-style-type: none"> Recite numbers past 5. Say one number for each item in order: 1,2,3,4,5. Show finger numbers up to 5. 	counting, one, two, three, four, five	Objects for counting, Numicon, Number Blocks
3	Count objects, actions and sounds. Counting up to 5 objects (then 10)	Counting rhymes Counting to 10.	Development Matters 3-4 Year Olds <ul style="list-style-type: none"> Recite numbers past 5. Say one number for each item in order: 1,2,3,4,5. Show finger numbers up to 5. Development Matters – Children in Reception <ul style="list-style-type: none"> Count objects, actions and sounds 	counting, how many,	Objects for counting Beads for threading Numicon Number Blocks
4	NCETM Week 1 – Subitising	Number of the week – 0 and 1 Counting rhymes	Development Matters 3-4 Year Olds <ul style="list-style-type: none"> Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). Development Matter – Children in Reception Subitise.	Subitise, how many, without counting,	Objects, dot images, Numicon Number Blocks

		Counting to 10			
5	NCETM Week 2 - Counting, cardinality and ordinality	Number of the week – 2 Counting rhymes Counting to 10	Development Matters- 3-4 Year Olds <ul style="list-style-type: none"> Recite numbers past 5. Say one number for each item in order: 1,2,3,4,5. Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). Development Matters – Children in Reception <ul style="list-style-type: none"> Count objects, actions and sounds 	How many, altogether,	Objects, puppets, Numicon, Number Blocks
6	NCETM Week 3 - Composition	Number of the week – 3 Counting rhymes Counting to 10	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Talk about and identifies the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs' etc. Extend and create ABAB patterns – stick, leaf, stick, leaf 	Patterns, what comes next?, what do you notice?	Objects, basket, different sized object, s pegs, coloured bricks, Numicon, Number Blocks
7	NCETM Week 4 – Subitising	Number of the week – 4 Counting rhymes Counting to 10	Development Matters 3-4 Year Olds <ul style="list-style-type: none"> Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). Development Matter – Children in Reception <ul style="list-style-type: none"> Subitise. Count objects, actions and sounds 	Subitise, how many, without counting,	Dot cards, Numicon, Number Blocks
Autumn 2					

1	NCETM Week 5 – Comparison	Number of the week – 5	Development Matters – 3 -4 Year Olds <ul style="list-style-type: none"> Compare quantities using language: 'more than', 'fewer than'. 	More than, fewer than, more, fewer	Objects, puppets, subitising dots, Numicon, Number Blocks
	2D Shapes	Counting rhymes Counting to 10 Counting actions Show me counting fingers	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. 	Circle, square, rectangle/oblong, triangle.	Paper shapes
2	NCETM Week 6 - Counting, ordinality and cardinality	Number of the week – 6 Counting rhymes Counting to 10 Counting actions Counting fingers	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Recite numbers past 5. Say one number for each item in order: 1,2,3,4,5. Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). Show 'finger numbers' up to 5. Development Matters – Children in Reception <ul style="list-style-type: none"> Link the number symbol (numeral) with its cardinal number value. 	1:1 correspondence counting, What number have you reached, stopping number	Objects, dice, Numicon, Number Blocks
	Make comparisons between objects relating to size		Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Make comparisons between objects relating to size, length, weight and capacity. 	Size, smallest, biggest, smaller than, bigger than	Different size objects

3	NCETM Week 7 – Comparison	Number of the week – 7 Counting rhymes Counting to 15	Development Matters – 3 -4 Year Olds <ul style="list-style-type: none"> Compare quantities using language: 'more than', 'fewer than'. Development Matters – Children in Reception <ul style="list-style-type: none"> Link the number symbol (numeral) with its cardinal number value. 	1:1 correspondence counting, more than, fewer than, same amount,	Dice, objects, Numicon, Number Blocks
	Repeating Patterns	Counting actions Counting fingers	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Extend and create ABAB patterns – stick, leaf, stick, leaf. Notice and correct an error in a repeating pattern. Development Matters – Children in Reception <ul style="list-style-type: none"> Continue, copy and create repeating patterns 	Pattern, what do you notice?, what comes next? error	Objects, pattern sheets
4	NCETM Week 8 – Composition	Number of the week – 8 Counting rhymes Counting to 15	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Solve real world mathematical problems with numbers up to 5. Development Matters – Children in Reception <ul style="list-style-type: none"> Explore the composition of numbers to 10. 	Making 4, whole, parts, different ways	Objects, Numicon, Number Blocks
	Make comparisons between objects relating to their length	Counting actions Counting fingers	Development Matters – 3- 4 Year Olds <ul style="list-style-type: none"> Make comparisons between objects relating to size, length, weight and capacity. 	Length, long, short, how many cubes?	Cubes, length activity mats
5	NCETM Week 9 – Composition	Number of the week – 9	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Solve real world mathematical problems with numbers up to 5. 	Making 5, whole, parts, different ways	Paint dabbers, objects, number

		Counting rhymes	Development Matters – Children in Reception <ul style="list-style-type: none"> Explore the composition of numbers to 10. 		cards, Numicon, Number Blocks
	2D	Counting to 15 Counting actions Counting fingers	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. 	Circle, square, rectangle/oblong, triangle.	Shape Hunt sheet, iPads
6	NCETM Week 10 - Counting, ordinality and cardinality	Number of the week – 10 Counting rhymes Counting to 15 Counting actions Counting fingers	Development Matters – 3-4 Year Olds <ul style="list-style-type: none"> Say one number for each item in order: 1,2,3,4,5. Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle'). Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5. Development Matters – Children in Reception <ul style="list-style-type: none"> Link the number symbol (numeral) with its cardinal number value. Count beyond 10 	1:1 correspondence counting, stopping number,	Pencils, objects, number cards, numbered dots, Numicon, Number Blocks
	Make comparisons between objects relating to their weight		Development Matters – 3- 4 Year Olds <ul style="list-style-type: none"> Make comparisons between objects relating to size, length, weight and capacity. 	Weight, heavy, light, heaviest, heavier, lighter, lightest	Scales, objects to weigh

7	Ordering Numbers	Number of the week – 11 Counting rhymes Counting to 15	<p>Development Matters – 3-4 Year Olds</p> <ul style="list-style-type: none"> Recite numbers past 5. Say one number for each item in order: 1,2,3,4,5. <p>Development Matters – Children in Reception</p> <ul style="list-style-type: none"> Link the number symbol (numeral) with its cardinal number value. 	Number, order, what comes next?, counting	Flash cards, Numicon, Number Blocks
	Make comparisons between objects relating to their weight	Counting actions Counting fingers	<p>Development Matters – 3- 4 Year Olds</p> <ul style="list-style-type: none"> Make comparisons between objects relating to size, length, weight and capacity. <p>Development Matters – Children in Reception</p> <ul style="list-style-type: none"> Compare length, weight and capacity 	Weight, heavy, light, heaviest, heavier, lighter, lightest	Scales, parcels to weigh