St. Mary's CE Primary School

Curriculum Map: Overview for Mathematics

Plan: Maths Mastery (Power Maths)

Year: Year 1

Autumn Term			
Unit	**Strands**	**NC Objectives**	**Lesson Progression**
1	Number - Number and place value Numbers to 10	1. Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least 2. Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number 3. Read and write numbers from 1 to 20 in numerals and words 4. Given a number, identify one more and one less 5. Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	1. Sorting objects 2. Counting objects to 10 3. Counting and writing numbers to 10 4. Counting backwards from 10 to 0 5. Counting one more 6. Counting one less 7. Comparing groups 8. Comparing numbers of objects 9. Comparing numbers 10. Ordering objects and numbers 11. First, second, third… 12. The number line
2	Number: Addition and subtraction Part- whole within 10	1. Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs 2. Represent and use number bonds and related subtraction facts within 20	1. The part-whole model (1) 2. The part-whole model (2) 3. Related facts – number bonds 4. Finding number bonds 5. Comparing number bonds
3	Number: Addition and subtraction within 10	1. Finding the whole – adding together 2. Represent and use number bonds and related subtraction facts within 20 3. Finding a part 4. Finding and making number bonds	1. Finding the whole – adding together 2. Finding the whole – adding more 3. Finding a part 4. Finding and making number bonds 5. Finding addition facts

		5. Finding addition facts 6. Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs 7. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = _ – 9.	6. Solving word problems – addition
4	Number – addition and subtraction within 10 (2)	1. Represent and use number bonds and related subtraction facts within 20 2. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = _ – 9. 3. Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs 4. Add and subtract one-digit and two-digit numbers to 20, including zero 5. Comparing additions and subtractions (1)	1. Subtraction – how many are left? (1) 2. Subtraction – how many are left? (2) 3. Subtraction – breaking apart (1) 4. Subtraction – breaking apart (2) 5. Related facts – addition and subtraction (1) 6. Related facts – addition and subtraction (2) 7. Subtraction – counting back 8. Subtraction – finding the difference 9. Solving word problems – subtraction 10. Comparing additions and subtractions (1) 11. Comparing additions and subtractions (2) 12. Solving word problems – addition and subtraction
5	Geometry - properties of shape 2D and 3D shapes	1. Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles] 2. Recognise and create repeating patterns with objects and with shapes.	1. Naming 3D shapes (1) 2. Naming 3D shapes (2) 3. Naming 2D shapes (1) 4. Naming 2D shapes (2) 5. Making patterns with shapes
6	Number - number and place value Numbers to 20	1. Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number 2. Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least 3. Recognise the place value of each digit in a two-digit	1. Counting and writing numbers to 20 2. Tens and ones (1) 3. Tens and ones (2) 4. Counting one more, one less 5. Comparing numbers of objects 6. Ordering objects and numbers

		number (tens, ones) (year 2) 4. Given a number, identify one more and one less 5. Compare and order numbers from 0 up to 100; use and = signs (year 2)	

Spring Term			
Unit	**Strands**	**NC Objectives**	**Lesson Progression**
7	Number – addition and subtraction Addition within 20	1. Add and subtract 1-digit and 2-digit numbers to 20, including zero 2. Represent and use number bonds and related subtraction facts within 20 3. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9	1. Add by counting on 2. Adding ones 3. Finding number bonds 4. Add by making 10 (1) 5. Add by making 10 (2) 6. Solving word problems – addition
8	Number – addition and subtraction Subtraction within 20	1. Represent and use number bonds and related subtraction facts within 20 2. Add and subtract 1-digit and 2-digit numbers to 20, including zero 3. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9 4. Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs	1. Subtracting ones 2. Subtracting tens and ones 3. Subtraction – crossing the 10 (1) 4. Subtraction – crossing the 10 (2) 5. Solving word and picture problems – subtraction 6. Addition and subtraction facts to 20 7. Comparing additions and subtractions 8. Solving word and picture problems – addition and subtraction 9. Subtracting amounts of money 10. Problem solving - money
9	Number – addition and subtraction Numbers to 50	1. Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number 2. 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 3. Given a number, identify one more and one less 4. (Year 2) compare and order numbers from 0 up to 100; use and = signs 5. Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s	1. Counting to 50 (1) 2. Counting to 50 (2) 3. Tens and ones 4. Representing numbers to 50 5. Comparing numbers of objects 6. Comparing numbers 7. Ordering objects and numbers 8. Counting in 2s 9. Counting in 5s 10. Solving word problems – addition and subtraction (1)

			11. Solving word problems – addition and subtraction (2)
10	Measurement - Introducing length and height	1. Compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] 2. Measure and begin to record the following: lengths and heights 3. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9	1. Comparing lengths and heights 2. Non-standard units of measure (1) 3. Non-standard units of measure (2) 4. Measuring length using a ruler 5. Solving word problems – length 6. 7. 8.
11	Measurement - Introducing weight and volume	1. Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than] 2. Measure and begin to record the following: mass/ weight 3. Compare, describe and solve practical problems for: capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] 4. Measure and begin to record the following: capacity and volume 5. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9	1. Comparing weight 2. Measuring weight 3. Comparing weight using measuring 4. Comparing capacity 5. Measuring capacity 6. Comparing capacity using measuring 7. Solving word problems – weight and capacity

Summer Term			
Unit	**Strands**	**NC Objectives**	**Lesson Progression**
12	Number – place value, multiplication and division	1. Count, read and write numbers to 100 in numerals 2. Count in multiples of 2s, 5s, and 10s 3. Solve one-step problems involving multiplication and divisions by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher	1. Counting in 10s, 5s and 2s 2. Making equal groups 3. Adding equal groups 4. Making simple arrays 5. Making doubles 6. Solving word problems- multiplication
13	Number – multiplication and division	1. Solve one-step problems involving multiplication and divisions by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher	1. making equal groups (1) 2. Making equal groups (2) 3. Sharing equally (1) 4. Sharing equally (2)
14	Number -- Fractions	1. Recognise, find and name a half as one of two equal parts of an object, shape or quantity 2. Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity	1. Finding halves (1) 2. Finding halves (2) 3. Finding quarters (1) 4. Finding quarters (2) 5. Solving word problems – halves and quarters
15	Geometry – position and direction	1. Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	1. Describing turns 2. Describing positions (1) 3. Describing positions (2)
16	Number –place value, addition and subtractions	1. Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s 2. 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 3. Represent and use number bonds and related subtraction	1. Counting to 100 2. Exploring number patterns 3. partioning numbers (1) 4. Partitioning numbers (2) 5. Comparing numbers (1) 6. Comparing numbers (2) 7. Ordering numbers

		facts within 20	8. bonds to 100 (1) 9. Bonds to 100 (2)
17	Measurement - time	1. Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, and evening] 2. Recognise and use language relating to dates, including days of the week, weeks, months and years 3. Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. 4. Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times 5. Measure and begin to record the following: time (hours, minutes, seconds) 6. Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later] 7. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9	1. Using before and after 2. Using a calendar 3. Telling time to the hour 4. Telling time to the half hour 5. Writing time 6. Comparing time 7. Solving word problems - time
18	Measurement – money	8. Recognise and know the value of different denominations of coins and notes 9. Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s	1. recognising coins 2. recognising notes 3. coutning with coins