## Maths Long Term Overview

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| **Year R** | Counting out loud, counting in correspondence, matching and sorting, comparing amounts, comparing size, mass and capacity, making simple patterns, learning the days of the week and months of the year, focusing on magic numbers, subitising to 3, learning number bonds to 3 and repeating patterns | Representing numbers to 5, comparing numbers to 5, composing numbers to 5, identifying 2D shapes, using positional language, identifying one more and one less, focusing on magic numbers, subitising to 5, learning number bonds to 5, repeating patterns, learning about 2D shapes and positional language | Identifying 0, comparing numbers to 8, composing numbers to 8, comparing mass, comparing capacity, making pairs, combining two groups, focusing on magic numbers, subitising to 5, learning number bonds to 5, repeating patterns, learning 2D shapes and positional language | Learning about length and height, learning about time, comparing numbers to 10, learning number bonds to 10, learning about 3D shapes, repeating patterns, focusing on magic numbers, subitising to 10, learning number bonds to 10 (addition), learning about 3D shapes, repeating patterns, learning about 2D shapes and positional language | Building numbers beyond 10, counting patterns beyond 10, counting beyond 20, developing spatial reasoning, adding more, taking away, exploring shape arrangements, composing and decomposing shapes, copying 2D shapes, finding 2D shapes within 3D shapes, developing the use of positional language, subitising to 10 and learning number bonds to 10 | Doubling, sharing and grouping, learning even and odd numbers, developing positioning patterns and repeating patterns, exploring maps and directions, subitising to 10, learning number bonds to 10, developing the use of positional language and doubling facts |
| **Year 1** | **Place Value and Number** Recognising numbers to 10/20, counting to 50, finding one more and identifying missing numbers on tracks<br><br>**Addition and Subtraction** Identifying and exploring number bonds for numbers within 5<br><br>**Measure – Length and Money** Using the vocabulary 'tallest', 'shortest' and 'longest' and counting in 1ps<br><br>**Addition and Subtraction** Partitioning 6 and 7 | **Multiplication and Division** Counting in 2s, understanding number, using the number line and counting money<br><br>**Fractions and Geometry** Recognising 2D shapes and finding half<br><br>**Place Value, Number, Addition and Subtraction** Identifying teen numbers, counting in 2s and 10s, finding one more and one less and partitioning numbers to 10 | **Addition and Subtraction** Counting and ordering numbers to 50 and partitioning numbers to 10<br><br>**Measure – Time and Mass** Exploring activities in a day to develop time awareness, reading o'clock and half past and using the language – heavy, heavier, light and lighter<br><br>**Fractions and Geometry** Recognising 2D shapes and learning properties, finding half and quarter of a shape | **Multiplication and Division** Counting in 2s, problem solving using 2s and counting in 10s<br><br>**Place Value, Number Addition and Subtraction** Counting in 10s, ordering numbers, recognising teen numbers, adding 10 to a single digit number, finding one more and one less and solving simple problems<br><br>**Addition and Subtraction and Money** Recognising value of coins, counting one more / less, adding 10p, comparing amounts through money and solving simple money problems | **Addition and Subtraction with Mass** Using the language heavier and lighter than and comparing mass<br><br>**Multiplication and Division** Counting in 10s and 5s, solving simple problems, counting in multiplies of 2s, 5s and 10s and grouping<br><br>**Geometry** Recognising 2D and 3D shapes, comparing 3D shapes and arranging 3D shapes<br><br>**Place Value, Addition and Subtraction** Placing numbers on a number line and using | **Fractions Multiplication and Division** Solving one step problems using multiplication and division, recognising equal / unequal groups and finding quarter of a shape and amount<br><br>**Measure – Capacity and Time** Comparing and describing mass and capacity, solving practical capacity problems, sequencing events, recognising o'clock and half past, draw hands on a clock face and use the symbols < > =<br><br>**Geometry** Recognising 2D and 3D shapes, describing |

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| | | | **Multiplication and Division**<br>Counting in 2s, problem solving using 2s and counting in 10s | | number bonds to 10 / 20 to solve problems | position, direction and movement |
| **Year 2** | **Place Value, Number, Addition and Subtraction**<br>Recognising and ordering numbers to 100, representing numbers in different ways, using the symbols < > =, using number bonds to 10 / 20, adding a single digit to a two digit number, adding 10 to a number and solving problems using known facts<br><br>**Measure – Length**<br>Comparing lengths using < > = and measuring in cm<br><br>**Addition and Subtraction**<br>Recognising coin values and make amounts, counting in 2s, 5s and 10s and adding and subtracting in the context of money | **Multiplication and Division**<br>Counting in 2s, 5s and 10s, recognising patterns in 2s, 5s and 10s, exploring counting in 3s, making arrays and understanding grouping and sharing<br><br>**Fractions and Geometry**<br>Recognising properties of 2D and 3D shapes, recognising half as two equal parts, exploring lines of symmetry, investigating halves and quarters of 2D shapes and counting in fractional steps<br><br>**Number and Place Value**<br>Comparing and ordering numbers using < > =, counting backwards and forwards in tens, adding and subtracting one and ten from a number and adding and subtracting without and then with bridging<br><br>**Statistics**<br>Reading and interpreting pictograms and tally charts | **Addition and Subtraction**<br>Adding and subtracting ones, tens and two digit numbers to a two digit number, bridging tens when adding and subtracting and adding three numbers using known facts<br><br>**Measurement – Time**<br>Recognising units of time, telling the time to quarter past and quarter to and solving problems involving time<br><br>**Fractions and Geometry**<br>Recognising properties of 2D and 3D shapes, recognising 2D faces on a 3D shape and finding a fraction of a shape<br><br>**Measurement – Mass**<br>Estimating and measuring mass<br><br>**Multiplication and Division**<br>Representing multiplication pictorially and with arrays and solving multiplication and division problems | **Multiplication and Division**<br>Representing multiplication pictorially and with arrays and solving multiplication and division problems<br><br>**Number, Place Value, Addition and Subtraction**<br>Deriving and using related facts, adding multiples of ten to a number, recognising the inverse and solving one-step problems<br><br>**Statistics**<br>Counting in steps of 2, 3, 5 and 10, interpreting pictograms and tally charts, asking and answering questions, creating charts, tallies, pictograms and block graphs<br><br>**Money**<br>Solving simple addition, subtraction and multiplication problems involving money and finding change<br><br>**Fractions**<br>Finding fractions of quantity and shape | **Geometry and Measure – position and mixed measure**<br>Describing rotations, measuring in millilitres, measuring temperatures and comparing 2D and 3D shapes<br><br>**Addition and Subtraction**<br>Adding and subtracting 2, two digit numbers and solving addition and subtraction problems<br><br>**Multiplication and Division**<br>Recalling and solving problems using the 2, 5 and 10 times tables, sharing groups equally and solving 2 step multiplication and division problems<br><br>**Place Value, Addition and Subtraction**<br>Partitioning numbers in different ways, partitioning using tens and ones, adding and subtracting ones, tens and two digit numbers to a two digit number, bridging tens when adding and subtracting, using the inverse and recognising commutativity | **Place Value, Addition and Subtraction**<br>Partitioning numbers in different ways, partitioning using tens and ones, adding and subtracting ones, tens and two digit numbers to a two digit number, bridging tens when adding and subtracting, using the inverse and recognising commutativity<br><br>**Fractions**<br>Recognising, finding, writing and naming fractions and counting in fractional steps<br><br>**Measure – Time, Money, Length, Temperature, Mass and Capacity**<br>Making amounts in different ways, measuring mass, length, capacity and temperature, reading the time to 5 minutes and recognising and ordering units of time<br><br>**Geometry**<br>Identifying and describing properties of 2D and 3D shapes and using positional and directional language |