



Maths Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year R	Calendar maths- days of the week and month (date), count down to special events happening, book vote (which has most/fewer votes) lunches how many red etc add to number track, count out lunch bands and gather, smiley balls on ten frames, check in on 10 frames, how many children are here/missing today. Counting out loud, counting in correspondence, matching and sorting, comparing amounts, comparing size, mass and capacity, making simple patterns	Calendar maths- days of the week and month (date), countdown to special events happening, book vote (which has most/fewer votes) lunches how many red etc add to number track, count out lunch bands and gather, smiley balls on ten frames, check in on 10 frames, how many children are here/missing today. Subitising to 3 then 5, representing numbers to 3 then 5, one more and one less, composing numbers to 3 then 4 and 5. Identify and name circles triangles and shapes with 4 sides, comparing circles and triangles, combine shapes with 4 sides, finding shapes in the environment and describing position, day and night.	Calendar maths- days of the week and month (date), count down to special events happening, book vote (which has most/fewer votes) lunches how many red etc add to number track, count out lunch bands and gather, smiley balls on ten frames, check in on 10 frames, how many children are here/missing today. Identifying 0, find 0 to 5, subitise 0 to 5, represent 0 to 5, one more and one less to 5, composition of numbers to 5, conceptual subitising to 5. comparing mass, find a balance, explore and compare capacity find and represent 6,7 and 8, one more and one less to 8, composition of 6,7 and 8, making pairs odd and even, doubles to 8, finding and making doubles	Calendar maths- days of the week and month (date), count down to special events happening, book vote (which has most/fewer votes) lunches how many red etc add to number track, count out lunch bands and gather, smiley balls on ten frames, check in on 10 frames, how many children are here/missing today. Exploring and comparing length and height. Talking about time. Ordering and sequencing time. Finding 9 and 10, comparing numbers to 10, representing 9 and 10, conceptual subsisting to 10, one more than to 10, one less than to 10, composition to 10, bonds to 10 (2 parts) Recognise and name 3D shapes, finding 2D shapes within 3D shapes, use 3D shapes for tasks, 3D shapes in the environment. Identify more complex patterns, copy and continue patterns, patterns in the environment.	Calendar maths- days of the week and month (date), count down to special events happening, book vote (which has most/fewer votes) lunches how many red etc add to number track, count out lunch bands and gather, smiley balls on ten frames, check in on 10 frames, how many children are here/missing today. Building numbers beyond 10 (10-13), counting patterns - beyond 10 (10-13), build numbers beyond 10 (14-20) Continue patterns beyond (14-20), verbal counting beyond 20, verbal counting patterns, counting backwards from 20. Adding more, how many did I add? Taking away, how many did I take away? Select shapes for a purpose, rotate and manipulate shapes, explain shape arrangements, compose and decompose shapes, copy 2D shape pictures and find 2D shaped within 3D shapes.	Calendar maths- days of the week and month (date), count down to special events happening, book vote (which has most/fewer votes) lunches how many red etc add to number track, count out lunch bands and gather, smiley balls on ten frames, check in on 10 frames, how many children are here/missing today. Explore sharing and grouping, even and odd sharing play with and build doubles. Identify units of repeating patterns, create own pattern rules, explore own pattern rules, replicate and build scenes and constructions, visualise from different positions, describe positions, give instructions to build, explore mapping. Deepen understanding, relationships and [patterns, problem solving, consolidation

Year 1	<u>Number and Place Value</u> Count objects up to 10. Show numbers with objects up to 10. Find one more than a number to 10. Find one less than a number to 10. Say whether there are fewer, more or the same. Compare two numbers to 10. <u>Addition and Subtraction</u> Subitise 1, 2, 3, 4 and 5. Recognise parts within a whole (2 and 3). Recognise parts within a whole (up to 9). Represent numbers within a whole (6, 7, 8, 9) Represent and use number bonds within 10. Solve problems involving addition within 10. <u>Measurement</u> Compare the length of two objects using words like longer, taller and shorter. Order objects by length or height from shortest to longest.	<u>Multiplication and Division</u> Count in 10s, 2s and 5s. Make equal groups using concrete and pictorial representations. Add equal groups. <u>Geometry and Fractions</u> Recognise and name common 3D shapes. Recognise and name common 2D shapes. Recognise half of a shape. Recognise half of an object. <u>Number and Place Value</u> Use 'less than', 'more than' and 'equal to' when comparing numbers up to 10. Order numbers on a number line (up to 10). Represent numbers 11 – 20. Find one more and one less than a number to 20. <u>Addition and subtraction</u> Solve problems involving addition within 10. Find a missing part. Solve problems involving subtraction within 10.	<u>Addition and Subtraction</u> Solve problems involving addition within 20 (aggregation – add together and augmentation – add more) <u>Measurement</u> Use words like before, after and later to explain daily routine. Name the days of the week in order. Say what day it is today, yesterday and tomorrow. Name and match coins like 1p, 2p, 5p, 10p, 20p, 50p, £1 and £2. Count using 1p coins to make amounts. Use different coins to make the same amount (e.g. $1p+1p+1p = 3p$ or $2p + 1p = 3p$). <u>Multiplication and Division</u> Count in 10s, 2s and 5s. Make equal groups using arrays (concrete and pictorial) Add equal groups. Divide by grouping. Divide by sharing.	<u>Geometry</u> Describe position, direction and movement including whole turns. Describe position, direction and movement including half turns. <u>Number and Place Value</u> Use 'less than', 'more than', and 'equal to' when comparing numbers up to 20 and then 50. Order numbers on a number line (up to 20). Partition numbers up to 50 into tens and ones. Find one more than and one less than a number. Identify and represent numbers using objects and pictorial representations. <u>Addition and Subtraction</u> Find double of a number. Solve additional problems using near doubles. <u>Measurement</u> Measure how long something is using cubes or other objects.	<u>Multiplication and Division</u> Count in 10s, 2s and 5s. Solve one-step problems by grouping and sharing. <u>Fractions</u> Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise a quarter of a shape, object and quantity. <u>Geometry</u> Recognise and name common 3D shapes: cuboids (including cubes), pyramids and spheres/. Recognise and name common 2D shapes: rectangles (including squares), circles and triangles. Describe position, direction and movement including quarter and three-quarter turns.	<u>Number and Place Value</u> Identify and represent numbers using objects and pictorial representations. Partition numbers up to 100 into tens and ones. Use 'less than', 'more than' and 'equal to' when comparing numbers up to 100. Find one more than and one less than a number up to 100. <u>Addition and Subtraction</u> Represent and use number bonds and related subtraction facts within 20. Solve problems involving subtraction within 20. Solve problems by finding the difference. Solve problems involving missing numbers. <u>Measurement</u> Solve practical problems for length using words like longer, taller, shorter. Solve practical problems for length using words like double and half.

	Compare the mass of two objects using words like heavier and lightest. Order objects by mass from lightest to heaviest. Describe containers using words like full, empty, half full and nearly full.	Solve problems by finding the difference.	<u>Fractions</u> Recognise half of a shape. Recognise half of an object. Recognise half of a quantity. Recognise quarter of a shape. <u>Geometry</u> Recognise and name common 3D shapes. Sort 3D shapes. Recognise and name common 2D shapes. Sort 2D shapes.	Use balance scales to compare weight. Describe containers using words like full, empty, half full and nearly full. Use words like morning, afternoon and evening to talk about time. Talk about time using words like second, minutes and hours. Name the months of the year. Say which coin is worth more or less. Name and match notes like £5, £10 and £20.		Solve practical problems for mass using words like heavier than and lighter than. Solve practical problems for capacity and volume. Solve practical problems for time using words like quicker, slower, earlier, later. Recognise and use language relating to dates, including days of the week, weeks, months and years. Tell time to the nearest half hour. Draw hands on a clock face to show time to the nearest half hour. Recognise and know the value of different coins and notes.
Year 2	<u>Place Value, Number, Addition and Subtraction</u> 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 <u>Measurement - Time</u> Recognising units of time - 0 clock, half past, quarter past/to times Comparing and estimating lengths using < > = and measuring in cm	<u>Addition and Subtraction</u> Adding and subtracting ones, tens and two digit numbers to a two digit number, bridging tens when adding and subtracting <u>Fractions and Geometry</u> Recognising half as two equal parts, exploring lines of symmetry, investigating halves and quarters of 2D shapes and counting in fractional steps <u>Multiplication and Division</u> Counting in 2s, 5s and 10s, recognising patterns in 2s, 5s and 10s, exploring counting in 3s, making arrays and understanding grouping and sharing	<u>Fractions and Geometry</u> Recognising half as two equal parts, exploring lines of symmetry, investigating halves and quarters of 2D shapes and counting in fractional steps <u>Number and Place Value, Addition and subtraction</u> 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 , adding three numbers using known facts <u>Measurement – Mass/length</u> Estimating and measuring mass (kg, g) and length (cm, m) <u>Fractions and Geometry</u> Recognising properties of 2D and 3D shapes	<u>Measurement – money</u> Recognising coin values and make amounts, counting in 2s, 5s and 10s and adding and subtracting in the context of money Solving simple addition, subtraction and multiplication problems involving money and finding change <u>Geometry and Measure – position and mixed measure</u> Describing rotations, measuring capacity (ml, l), measuring temperatures and comparing 2D and 3D shapes <u>Fractions</u> Finding fractions of quantity and shape <u>Number, Place Value, Addition and Subtraction</u> Deriving and using related facts, adding multiples of ten to a number, recognising the	<u>Multiplication and Division</u> Recalling and solving problems using the 2, 5 and 10 times tables, sharing groups equally and solving 2 step multiplication and division problems <u>Place Value, Addition and Subtraction</u> 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 <u>Fractions</u> Recognising, finding, writing and naming fractions and counting in fractional steps in $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ <u>Statistics</u> Counting in steps of 2, 3, 5 and 10, interpreting	<u>Measure – Time, Money, Length, Temperature, Mass and Capacity</u> Making amounts in different ways, measuring mass, length, capacity and temperature, reading the time to 5 minutes and recognising and ordering units of time <u>Geometry</u> Identifying and describing properties of 2D and 3D shapes and using positional and directional language

			<u>Statistics</u> Reading and interpreting pictograms and tally charts	inverse and solving one-step problems	pictograms and tally charts, asking and answering questions, creating charts, tallies, pictograms and block graphs	
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