

Maths Curriculum – Year 1



Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
NC Topics/units Covered	Number and Place Value, Addition and Subtraction & Geometry: properties of shapes	Number and Place Value, Addition and Subtraction	Measurement: Time, Number and Place Value & Addition and Subtraction	Addition and Subtraction, Fractions & Measurement: Length and Mass	Number and Place Value, Addition and Subtraction	Measurement: Money, Multiplication and Division & Measurement: Capacity and Volume
Ongoing	Recall and apply increasing knowledge of practical and mental skills.	Recall and apply increasing knowledge of practical and mental skills.	Recall and apply increasing knowledge of practical and mental skills.	Recall and apply increasing knowledge of practical and mental skills.	Recall and apply increasing knowledge of practical and mental skills.	Recall and apply increasing knowledge of practical and mental skills.
NC	<p>Count to 10, forwards and backwards from any given number. Count, read and write numbers to 10 in numerals and words. Identify and represent numbers using objects and pictorial representations. Use the language of equal to, more than and less than, most & fewer. Given a number, identify 1 more and 1 less. Count in multiples of 2.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 10. Add and subtract one-digit and two-digit numbers to 10, including 0.</p>	<p>Count to 20, forwards and backwards, beginning with 0 or 1, or from any given number. Count, read and write numbers to 20 in numerals. Count in multiples of 2s and 5s. 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.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 10. Add and subtract one-digit and two-digit</p>	<p>Compare, describe and solve practical problems for time. Sequence events in chronological order using language. Recognise and use language relating to dates, including the days of the week, weeks, months and years. Tell the time to the hour and half past the hour. Draw the hands on clock faces to show o'clock and half-past times.</p> <p>Count to 50, forwards and backwards, beginning with 0 or 1, or from any given number. Count, read and write numbers to 20 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</p>	<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 20. Add and subtract one-digit and two-digit numbers to 20, including 0. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $14 = ? - 3$.</p> <p>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.</p> <p>Compare, describe and solve practical problems</p>	<p>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.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 20.</p>	<p>Recognise and know the value of different denomination of coins and notes.</p> <p>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.</p> <p>Compare, describe and solve practical problems for capacity and volume. Measure and begin to record capacity and volume.</p>

	<p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $3 = ? - 6$.</p> <p>Recognise and name common 2D and 3D shapes. Describe position, directions and movements, including whole, half, quarter and three-quarter turns.</p>	<p>numbers to 10, including 0. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $14 = ? - 3$.</p>	<p>the language of: equal to, more than, less than (fewer), most, least. Read and write numbers from 1 to 20 in numerals and words.</p> <p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Represent and use number bonds and related subtraction facts within 20. Add and subtract one-digit and two-digit numbers to 20, including 0. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $14 = ? - 3$.</p>	<p>for: lengths and height (for example, long/short, longer/shorter, tall/short, double/half) and mass and weight. Measure and begin to record the following: lengths and height, mass and weight.</p>	<p>Add and subtract one-digit and two-digit numbers to 20, including 0. Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $10 = ? - 10$.</p>	
Maths mastery Unit numbers	Unit 1: Numbers to 10 Unit 2: Addition and Subtraction within 10 Unit 3: Shapes and Patterns.	Unit 4: Numbers to 20 Unit 5: Addition and Subtraction within 20.	Unit 6: Time Unit 7: Exploring calculation strategies within 20 Unit 8: Numbers to 50	Unit 9: Addition and Subtraction to 20 Unit 10: Fractions Unit 11: Length and Mass	Unit 12: Numbers from 50 to 100 Unit 13: Addition and Subtraction (applying strategies and structures)	Unit 14: Money Unit 15: Multiplication and Division Unit 16: Capacity and Volume
Maths mastery Units	Unit 1: Numbers to 10 - To count sets of objects within 10 - To represent numbers within 10 - To compare the number of objects in two sets - To find one more and one fewer/less - To represent the parts and the whole in a number bond	Unit 4: Numbers to 20 - To count forwards and backwards from zero to 20 - To group ten objects and count on from ten - To recognise a 'ten' and 'ones' in teen numbers - To compare and order numbers to 20 - To create patterns with numbers within 20	Unit 6: Time - Know and order the months of the year - To sequence daily activities in chronological order - Explore and use the language of minutes and seconds - Tell the time to o'clock on an analogue clock - Tell the time to half past on an analogue clock	Unit 9: Addition and Subtraction to 20 - Using 'more', 'fewer' and 'difference' accurately and beginning to quantify difference - Quantifying difference when comparing two sets - Identifying numbers with a difference of one and two on a number line - Using 'greater' and 'less' to compare numbers on a number line	Unit 12: Numbers from 50 to 100 - Read, recognise and write numbers to 100 - Find the groups of tens and ones in numbers within 100 - Represent numbers using a number line - Represent numbers to 100 as number bonds - Represent numbers as groups of ten and ones in a place value chart	Unit 14: Money - To name coins and notes and understand their value - To represent the same value using different coins - To understand how to use money in a real-life context - To exchange money for items - To solve addition and subtraction word problems using money

<ul style="list-style-type: none"> - To recognise the numbers that can be split into more than two parts - To find double and half of an amount <p>Unit 2: Addition and Subtraction to 10</p> <ul style="list-style-type: none"> - To combine two sets to find out how many there are altogether - To partition a set and understand how this can be written as subtraction - To add and subtract by counting on and back - To explore commutativity in addition - To explore related facts - To understand how equations can link to contexts - To solve problems using addition and subtraction <p>Unit 3: Shapes and Patterns</p> <ul style="list-style-type: none"> - To identify, describe, sort and classify 2D and 3D shapes - To make repeating patterns with 2D and 3D shapes - To use positional vocabulary - Use and follow positional language to program a floor toy 	<p>Unit 5: Addition and Subtraction within 20</p> <ul style="list-style-type: none"> - Counting on to add small amounts - Counting back to subtract small amounts - Using number bonds/known facts to add - Using number bonds/known facts to subtract - Using the 'Make ten' strategy to add - Using the 'Make ten' strategy to subtract - Applying strategies and experimenting with modelling 	<ul style="list-style-type: none"> - Tell the time to o'clock and half past on an analogue clock - Read and write the time to o'clock and half past - Solve problems involving time - Describe whole turns and half turns with reference to the clock <p>Unit 7: Exploring calculation strategies within 20</p> <ul style="list-style-type: none"> - Using part-whole understanding of related facts to derive teens facts - Using doubles to derive near doubles - Representing the 'Make ten' strategy using a bead string - Understanding the = symbol as an indication of equivalence - Choosing addition strategies based on the numbers in the calculation <p>Unit 8: Numbers to 50</p> <ul style="list-style-type: none"> - Sequencing numbers to 50 - Making groups of ten - Exploring tens and ones - Introducing place value - Representing a 2-digit number as tens and ones - Comparing and ordering numbers using place value - Comparing and ordering numbers using a number line - Counting in twos, fives and tens - Describing and completing number patterns 	<ul style="list-style-type: none"> - Applying the 'Make ten' strategy to find difference on a number line - Linking subtraction equations to comparison and difference - Linking addition equations to comparison and difference - Representing comparison problems and writing equations to solve these <p>Unit 10: Fractions</p> <ul style="list-style-type: none"> - Identify half of a shape or object - Find half of a quantity - Identify one quarter of a shape or object - Find one quarter of a quantity - Describe position and direction using half, whole and quarter turns, including three quarter turns <p>Unit 11: Length and Mass</p> <ul style="list-style-type: none"> - Comparing the lengths of two or more objects - Measuring length using non-standard units - Experiencing standard units of length and linking this to fractions - Experiencing doubling and halving - Comparing the masses of two or more objects - Measuring mass using non-standard units - Experiencing standard units of mass 	<ul style="list-style-type: none"> - Recognise one more and one fewer and ten more and ten fewer - Compare numbers within 100 - Order numbers within 100 - Identify the pattern in a sequence of numbers <p>Unit 13: Addition and Subtraction (applying strategies and structures)</p> <ul style="list-style-type: none"> - Number bonds within 20 (problem solving) - Add a two-digit number and ones without regrouping - Subtract a two-digit number and ones without regrouping - Add a two-digit number and ones with regrouping - Subtract a two-digit number and ones with regrouping - Solve part-whole model word problems - Explore addition and subtraction - Solve problems in a context using addition and subtraction 	<ul style="list-style-type: none"> - To find change from given amounts <p>Unit 15: Multiplication and Division</p> <ul style="list-style-type: none"> - To find double and half of an amount - To add equal groups - To share a total equally between a set number of groups - To share a total equally and find the number of groups - To explore arrays - To build on previous understanding of halves and quarters of quantities <p>Unit 16: Capacity and Volume</p> <ul style="list-style-type: none"> - Direct comparison of the capacity of two containers - Indirect comparison of capacity using non-standard units - Comparison of volume, visually (in identical containers) and using non-standard units - Applying understanding of halves and quarters to capacity - Introducing standard units of measure (litres) - Exploring difference by comparing lengths and volumes - Applying measuring skills in a real-life context 	
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Resources/ equipment	Counting cubes, counting equipment, counters magnetic dienes, part-whole models, number lines, 2D shapes, 3D shapes, Beebots	Counting cubes, counting equipment, counters magnetic dienes, part-whole models, number lines, 100 squares	Teacher's clock, small clocks, calendars/months of the year flashcards, timers, stop watches, bead strings, counting cubes, number lines, 100 squares, part-whole models, number tracks, place value grids/charts, bead strings	Counting cubes, counting equipment, part-whole models, dienes, number lines, 100 squares, 2D shapes, rulers, metre sticks, weights, weighing scales	Counting cubes, counting equipment, number lines, 100 squares, number tracks, place value boards, part-whole models	Coins, notes, 'play food/objects', counting cubes, counting equipment, place value boards, containers, measuring jugs, measuring spoons
General resources	Number lines, 100 squares, place value boards/grids/charts, dienes, cubes, number tracks, bead strings, dice (large and small), whiteboards, number fans, number charts, number flashcards, number word cards.					