

BCI Maths Progression Document 2023-2024



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Autumn 1

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
Nursery	Getting to Know You BASELINE ASSESSMENT Opportunities for settling in, introducing the areas of provision and getting to know the children.	Getting to Know You BASELINE ASSESSMENT Opportunities for settling in, introducing the areas of provision and getting to know the children.	Getting to Know You BASELINE ASSESSMENT Opportunities for settling in, introducing the areas of provision and getting to know the children.	Just Like Me! - Matching and sorting	Just Like Me! - Comparing size and amounts	Just Like Me! - Make simple patterns	Consolidation
	Getting to Know You BASELINE ASSESSMENT Opportunities for settling in, introducing the areas of provision and getting to know the children.	Getting to Know You BASELINE ASSESSMENT Opportunities for settling in, introducing the areas of provision and getting to know the children.	Getting to Know You BASELINE ASSESSMENT Opportunities for settling in, introducing the areas of provision and getting to know the children.	Just Like Me! - Matching with buttons - Matching with socks - Matching lids - Sorting with buttons - Sorting with objects	Just Like Me! - Compare size - Compare amounts - Compare height - Compare length - What will fit inside?	Just Like Me! - Repeating patters - Printing patterns - Fruit kebab patterns - Autumn walk patterns	Consolidation
Year 1	Number: Place Value (within 10) BASELINE ASSESSMENT COLD TASK - Sort objects - Count objects - Represent objects	Number: Place Value (within 10) - Count forwards - Count backwards - Count one more - Count one less	Number: Place Value (within 10) - 1:1 correspondence - Compare objects - Introduce $<$ $>$ $=$ - Compare numbers	Number: Place Value (within 10) - Order objects - Order numbers - Ordinal numbers - The number line HOT TASK	Number: Addition and Subtraction (within 10) COLD TASK - Part-whole model - Addition symbol - Fact families - addition facts	Number: Addition and Subtraction (within 10) - Find number bonds - Systematic methods for number bonds - Number bonds to 10 - Compare number bonds	Number: Addition and Subtraction (within 10) - Adding together - Adding more - Adding using bonds - Finding a part
	Number: Place Value BASELINE ASSESSMENT COLD TASK - Count/read/write numbers to 100 - Represent numbers to 100.	Number: Place Value - Tens and ones - Using a place value chart - Compare objects - Compare numbers	Number: Place Value - Order objects - Order numbers - Count in 2's 5's 10's - Count in 3's HOT TASK	Number: Addition and Subtraction COLD TASK - Fact families - Check calculations - Compare number sentences - Related facts	Number: Addition and Subtraction - Bonds to 100 (tens) - Add and subtract 1's - 10 more 10 less - Add and subtract 10's - Add a 2-digit and 1-digit number	Number: Addition and Subtraction - Subtract a 1-digit number from a 2-digit number - Add two 2-digit numbers - Subtract a 2-digit number from a 2-digit number	Number: Addition and Subtraction - Mixed addition and subtraction - Bonds to 100 (tens and ones) - Add three 1-digit numbers HOT TASK
Year 2	Number: Place Value BASELINE ASSESSMENT COLD TASK - Count/read/write numbers to 100 - Represent numbers to 100.	Number: Place Value - Tens and ones - Using a place value chart - Compare objects - Compare numbers	Number: Place Value - Order objects - Order numbers - Count in 2's 5's 10's - Count in 3's HOT TASK	Number: Addition and Subtraction COLD TASK - Fact families - Check calculations - Compare number sentences - Related facts	Number: Addition and Subtraction - Bonds to 100 (tens) - Add and subtract 1's - 10 more 10 less - Add and subtract 10's - Add a 2-digit and 1-digit number	Number: Addition and Subtraction - Subtract a 1-digit number from a 2-digit number - Add two 2-digit numbers - Subtract a 2-digit number from a 2-digit number	Number: Addition and Subtraction - Mixed addition and subtraction - Bonds to 100 (tens and ones) - Add three 1-digit numbers HOT TASK

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Autumn 2

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
Nursery	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Represent numbers to 3. 	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Composition of numbers to 3 	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Sorting and matching numbers to 3 	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - One more one less 	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Sorting circles and triangles 	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Where is teddy hiding? 	<p>Consolidation</p>
Reception	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Representing 1 2 3 - Composition of 1 2 3 - Sorting 1 2 3 - Matching 1 2 3 	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Comparing 1 2 3 - Matching numeral and picture cards - Comparing - One more, one less 	<p>It's Me 1 2 3!</p> <ul style="list-style-type: none"> - Sorting circles and triangles - Shape pictures - Shape hunt - Where is teddy hiding? 	<p>Light and Dark</p> <ul style="list-style-type: none"> - Representing 4 5 - Sorting 4 5 - Composition of 4 5 - Arrangements of 4 5 	<p>Light and Dark</p> <ul style="list-style-type: none"> - Representing 4 5 - Sorting 4 5 - Composition of 4 5 - Arrangements of 4 5 	<p>Light and Dark</p> <ul style="list-style-type: none"> - Sorting squares and rectangles - Shape pictures - Shape hunt - Day and night 	<p>Consolidation</p>
Year 1	<p>Number: Addition and Subtraction (within 10)</p> <ul style="list-style-type: none"> - Subtract crossing out - Subtract using — - Breaking apart - Fact families (8 facts) 	<p>Number: Addition and Subtraction (within 10)</p> <ul style="list-style-type: none"> - Subtract count back - Finding the difference - Compare + and — <p>HOT TASK</p> <p>Consolidation Number: Place Value (within 10)</p>	<p>Geometry: Shape</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Recognise 3D shapes - Sort 3D shapes - Recognise 2D shapes 	<p>Geometry: Shape</p> <ul style="list-style-type: none"> - Sort 2D shapes - Patterns with 3D and 2D shapes <p>HOT TASK</p>	<p>Number: Place Value (within 20)</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Count forwards and backwards - Numbers to 20 (numerals and words) - Numbers 11 - 20 	<p>Number: Place Value (within 20)</p> <ul style="list-style-type: none"> - Tens and ones - One more one less - Compare objects - Compare numbers 	<ul style="list-style-type: none"> - Order objects - Order numbers <p>HOT TASK</p> <p>Consolidation</p> <p>Number: Place Value (within 20) Geometry: Shape</p>
Year 2	<p>Consolidation</p> <p>ARITHMETIC TEST</p> <p>Number: Place Value</p> <p>Number: Addition and Subtraction</p>	<p>Measurement: Money</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Recognise coins and notes - Count money - pence - Count money - pounds - Count notes and coins 	<p>Measurement: Money</p> <ul style="list-style-type: none"> - Select money - Make the same amount - Compare money - Find the total 	<p>Measurement: Money</p> <ul style="list-style-type: none"> - Find the difference - Find change - Two – step problems <p>HOT TASK</p>	<p>Number: Multiplication and Division</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Recognise equal groups - Make equal groups - Add equal groups - Using the X symbol 	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - Use arrays - 2-times tables - 5-times tables - 10-times tables 	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - Sharing - Grouping

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Spring 1

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
Nursery	<p>Light and Dark</p> <ul style="list-style-type: none"> - Represent numbers to 5. - Show 'finger numbers' up to 5. 	<p>Light and Dark</p> <ul style="list-style-type: none"> - Sorting squares and rectangles - Shape pictures - Shape hunt 	<p>Light and Dark</p> <ul style="list-style-type: none"> - Using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'. 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Composition of numbers to 5 - Say one number for each item in order: 1,2,3,4,5. 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Comparing numbers to 5 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - How many are hiding? - How many altogether? 	<p>Consolidation</p>
Reception	<p>Alive in 5!</p> <ul style="list-style-type: none"> - How many? - Representing 0 - Composition of numbers to 5 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Comparing numbers to 5 - How many are hiding? - How many altogether? 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Comparing mass - Heavier and lighter - Full and empty - Measuring capacity 	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - Representing 6, 7, 8 - Composition of 6, 7, 8 - Sorting 6, 7, 8 - Matching 6, 7, 8 	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - 1 more and 1 less - Making pairs - Combining 2 groups - Adding more 	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - taller and shorter - longer and shorter - Days of the week - Measuring time 	<p>Consolidation</p>
Year 1	<p>Number: Addition and Subtraction (within 20)</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Add by counting on - Add ones - Find/make bonds 	<p>Number: Addition and Subtraction (within 20)</p> <ul style="list-style-type: none"> - Add by making 10 - Subtraction - not crossing 10 - Subtraction - count back 	<p>Number: Addition and Subtraction (within 20)</p> <ul style="list-style-type: none"> - Subtraction - cross 10 - Related facts - Compare number sentences. <p>HOT TASK</p>	<p>Number: Place Value (within 50)</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Numbers to 50 - Count forwards and backwards - Tens and ones 	<p>Number: Place Value (within 50)</p> <ul style="list-style-type: none"> - Represent numbers to 50 - One more one less - Compare objects - Compare numbers 	<p>Number: Place Value (within 50)</p> <ul style="list-style-type: none"> - Order numbers - Count in 2's - Count in 5's <p>HOT TASK</p>	<p>Consolidation</p> <p>Number: Place Value (within 50)</p> <p>Number: Addition and Subtraction (within 20)</p> <p>ARITHMETIC TEST</p>
Year 2	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - Divide by 2 - Odd and even numbers - Divide by 5 - Divide by 10 	<p>HOT TASK</p> <p>Consolidation</p> <p>Measurement: Money</p>	<p>Statistics</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Make tally charts - Draw pictograms 1:1 - Interpret pictograms 1:1 	<p>Statistics</p> <ul style="list-style-type: none"> - Draw/interpret pictograms (2, 5, 10) - Block graphs <p>HOT TASK</p>	<p>Geometry: Properties of Shape</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Recognise 2-D and 3-D shapes - Count sides/vertices on 2D shapes - Lines of symmetry 	<p>Geometry: Properties of Shape</p> <ul style="list-style-type: none"> - Sort 2D shapes - Count edges, faces and vertices on 3D shapes - Sort 2D shapes 	<ul style="list-style-type: none"> - Make patterns with 3D shapes <p>HOT TASK</p> <p>Consolidation</p> <p>Number: Multiplication and Division</p>

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Spring 2

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6
Nursery	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Solve real world mathematical problems with numbers up to 5. 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Make comparisons between objects relating to size, length, weight and capacity. (Numerical Patterns) 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Make comparisons between objects relating to size, length, weight and capacity. (Numerical Patterns) 	<p>Alive in 5!</p> <ul style="list-style-type: none"> - Make comparisons between objects relating to size, length, weight and capacity. (Numerical Patterns) 	<p>Consolidation</p>	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - Representing number to 8
Reception	<p>Building 9 and 10</p> <ul style="list-style-type: none"> - Representing 9 10 - Composition of 9 10 - Sorting 0—10 - Ordering 0—10 	<p>Building 9 and 10</p> <ul style="list-style-type: none"> - Numbers to 10 Bingo - Count back from 10 - Compare 0—10 - Make 10 	<p>Building 9 and 10</p> <ul style="list-style-type: none"> - 3D shape matching - Build with 3D shapes - Print with 3D shapes - Patterns 	<p>Consolidation</p>	<p>To 20 and Beyond</p> <ul style="list-style-type: none"> - Number Patterns to 20 - Matching pictures/numerals - Ten frame - fill beyond 20 - Estimating game 	<p>To 20 and Beyond</p> <ul style="list-style-type: none"> - Ten frame - subtraction - Missing numbers - Ordering numerals to 20 - Race to 20 game - Bingo - numbers to 20
Year 1	<p>Measurement: Length and Height</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Compare lengths - Compare heights - Measure using non standard units 	<p>Measurement: Length and Height</p> <ul style="list-style-type: none"> - Using a ruler - Measure lengths - Problem solving <p>HOT TASK</p>	<p>Measurement: Weight and Volume</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Introduce weight & mass - Measure mass - Compare mass 	<p>ASSESSMENT WEEK</p> <p>TIMES TABLE TEST</p> <p>ARITHMETIC TEST</p> <p>PUMA TEST</p>	<p>Measurement: Weight and Volume</p> <ul style="list-style-type: none"> - Introduce capacity and volume - Measure capacity - Compare capacity <p>HOT TASK</p>	<p>Consolidation</p> <p>Number: Place Value (within 50)</p> <p>Number: Addition and Subtraction (within 20)</p>
Year 2	<p>Number: Fractions</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Make equal parts - Recognise a half - Find a half - Recognise a quarter 	<p>Number: Fractions</p> <ul style="list-style-type: none"> - Find a quarter - Recognise a third - Find a third - Unit fractions - Non unit fractions 	<p>Number: Fractions</p> <ul style="list-style-type: none"> - Equivalence of a half and 2 quarters - Find three quarters - Count in fractions - Problem solving <p>HOT TASK</p>	<p>ASSESSMENT WEEK</p> <p>TIMES TABLE TEST</p> <p>ARITHMETIC TEST</p> <p>PUMA TEST</p> <p>Consolidation</p>	<p>Measurement: Length and Height</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Measure lengths (cm/m) - Compare lengths - Order lengths - Problem solving 	<p>Geometry: Position and Direction</p> <ul style="list-style-type: none"> - Describing movements and turns <p>HOT TASK</p>

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Summer 1

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6
Nursery	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - Composition of numbers to 8 	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - Comparing and sorting numbers to 8 	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - Experiment with their own symbols and marks as well as numerals. 	<p>Growing 6, 7, 8</p> <ul style="list-style-type: none"> - long and short - tall and short 	<p>Consolidation</p>	<h1>HALF TERM HOLIDAYS</h1>
Reception	<p>To 20 and Beyond</p> <ul style="list-style-type: none"> - Spatial reasoning - Match, rotate, manipulate shapes 	<p>First Then Now</p> <ul style="list-style-type: none"> - Counting on - Adding more 	<p>First Then Now</p> <ul style="list-style-type: none"> - Counting back - Taking away 	<p>First Then Now</p> <ul style="list-style-type: none"> - Spatial reasoning - Compose and decompose shapes 	<p>Consolidation</p>	
Year 1	<p>Number: Multiplication and Division</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Recap - Count in 2's / 5's - Count in 10's - Make equal groups - Add equal groups 	<p>Number: Multiplication and Division</p> <ul style="list-style-type: none"> - Make arrays - Make doubles - Make equal groups - grouping 	<p>- Make equal groups - sharing</p> <p>HOT TASK</p> <p>Consolidation</p> <p>Geometry: Shape</p>	<p>Number: Fractions</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - Make a half - Make a whole - Find a half - Find half of a quantity 	<p>Number: Fractions</p> <ul style="list-style-type: none"> - Make a quarter - Find a quarter - Find a quarter of a quantity <p>HOT TASK</p>	
Year 2	<p>Measurement: Time</p> <p>COLD TASK</p> <ul style="list-style-type: none"> - O'clock and half past - Quarter past and quarter to - Telling time to 5 minutes 	<p>Consolidation</p> <p>Number: Fractions</p> <p>Number: Multiplication and Division</p> <p>Number: Addition and Subtraction</p>	<p>KS1 SATS WEEK</p>	<p>Measurement: Time</p> <ul style="list-style-type: none"> - Hours and days - Find durations of time - Compare durations of time <p>HOT TASK</p>	<p>Measurement: Mass, Capacity and Temperature</p>	

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Summer 2

	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7
Nursery	Building 9 and 10 - Representing 0 - 10	Building 9 and 10 - Composition of numbers to 10	Building 9 and 10 - Link numerals and amounts	Building 9 and 10 - Extend and create ABAB patterns - stick, leaf, stick, leaf.	Building 9 and 10 - Notice and correct an error in a repeating pattern.	Building 9 and 10 - Build with 3D shapes - Print with 3D shapes	Consolidation
Reception	Find My Pattern - Doubling	Find My Pattern - Sharing and grouping	Find My Pattern - Odd and even numbers	On The Move - Problem solving	On The Move - Patterns and relationships	On The Move - Spatial reasoning - Mapping	Consolidation
Year 1	Geometry: Position and Direction - Describe turns - Describe positions	Number: Place Value (within 100) COLD TASK - Count to 100 - Count forwards and backwards - Introduce 100 square	Number: Place Value (within 100) - Partition numbers - Comparing numbers - Ordering numbers - One more one less HOT TASK	Consolidation Number: Multiplication and Division Number: Fractions	Measurement: Money COLD TASK - Recognise coins - Recognise notes - Counting in coins	Measurement: Time - Before and after - Dates - Time to the hour - Time to half the hour HOT TASK	Consolidation Number: Place Value (within 100)
Year 2	Measurement: Mass, Capacity and Temperature	Measurement: Mass, Capacity and Temperature	Measurement: Mass, Capacity and Temperature	Consolidation and problem solving Number: Place Value	Consolidation and problem solving Number: Addition and Subtraction	Consolidation and problem solving Number: Multiplication and Division	Consolidation and problem solving

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Mental Maths

	Autumn	Spring	Summer
Nursery	Fast recognition of up to 3 objects, without having to count them individually ('subitising').	Say one number for each item in order: 1,2,3,4,5. Show 'finger numbers' up to 5.	Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5.
Reception	Subitise (recognise quantities without counting) up to 5.	Have a deep understanding of number to 10, including the composition of each number.	Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts. Verbally count beyond 20, recognising the pattern of the counting system.
Year 1	Count to and across 50. Identify one more and one less use number bonds and related subtraction facts within 10.	Count to and across 50, forwards and backwards, beginning with 0 or 1, or from any given number. Count in multiples of twos -use number bonds and related facts within 20. Recall and use doubles of all numbers to 10.	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. Count in multiples of twos, fives and tens. use number bonds and related subtraction facts within 20. Recall and use doubles of all numbers to 10 and corresponding halves.
Year 2	Partition numbers in different ways (for example, $23 = 20 + 3$ and $23 = 10 + 13$) Compare and order numbers from 0 up to 100 -Find 1 or 10 more or less than a given number	Count in steps of 2 and 5 from 0, and in tens from any number, forward and backward Recall and use addition and subtraction facts to 20 fluently. Add two-digit number and ones. Add two-digit number and tens. Add two two-digit numbers. Add three one-digit numbers.	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. Round numbers to at least 100 to the nearest 10. Derive and use related facts up to 100.