Curriculum map: Reception

Autumn

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Early mathematical experiences				**Pattern and early number**		**Numbers within 6**		**Addition and subtraction within 6**	**Measures**	**Shape and sorting**
• Classifying objects based on one attribute • Matching equal and unequal sets • Comparing objects and sets • Ordering objects and sets				• Recognise, describe, copy and extend colour and size patterns • Count and represent the numbers 1 to 3 • Estimate and check by counting		• Count up to six objects. • One more or one fewer • Order numbers 1 – 6 • Conservation of numbers within six		• Explore zero • Explore addition and subtraction	• Estimate, order compare, discuss and explore capacity, weight and lengths	• Describe, and sort 3-D shapes • Describe position accurately

Spring

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 8	Week 9
Numbers within 10		**Calendar and time**	**Addition and subtraction within 10**	**Grouping and sharing**		**Number patterns within 15**		**Doubling and halving**	**Shape and pattern**
• Count up to ten objects • Represent, order and explore numbers to ten • One more or fewer, one greater or less		• Days of the week, seasons • Sequence daily events	• Explore addition as counting on and subtraction as taking away	• Counting and sharing in equal groups • Grouping into fives and tens • Relationship between grouping and sharing		• Count up to 15 objects and recognise different representations • Order and explore number patterns to 15 • One more or fewer		• Doubling and halving • Relationship between doubling and halving	• Describe and sort 2-D and 3-D shapes • Recognise, complete and create patterns

Summer

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Securing addition and subtraction facts		**Number patterns within 20**		**Number patterns beyond 20**	**Money**	**Measures**		**Exploration of patterns within number**	
• Commutativity • Explore addition and subtraction • Compare two amounts		• Count up to 10 and beyond with objects • Represent, compare and explore numbers to 20 • One more or fewer		• One more one less • Estimate and count • Grouping and sharing	• Coin recognition and values • Combinations to total 20p • Change from 10p	• Describe capacities • Compare volumes • Compare weights • Estimate, compare and order lengths		• Explore numbers and strategies • Recognise and extend patterns • Apply number, shape and measures knowledge • Count forwards and backwards	

Curriculum map: Year 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Autumn	**Numbers to 10**		**Addition and subtraction within 10**		**Shape and patterns**		**Numbers to 20**		**Addition and subtraction within 20**	
	• Represent, compare and explore numbers within 10 • One more and one less • Doubling and halving		• Represent and explain addition and subtraction • Commutativity • Addition and subtraction facts		• Identify, describe, sort and classify 2-D and 3-D shapes • Investigate repeating patterns • Use and follow instructional and positional language		• Identify, represent, compare and order numbers to 20 • Doubling and halving • One more and one less		• Represent and explain addition and subtraction strategies including 'Make Ten' • Use known facts to add and subtract	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Spring	**Time**		**Exploring calculation strategies within 20**	**Numbers to 50**		**Addition and subtraction within 20**		**Fractions**	**Measures: Length and mass**	
	• Read, write and tell the time to o'clock and half past on analogue clock • Sequencing daily activities • Whole and half turns linked to time		• Model, explain and choose addition and subtraction strategies	• 2-digit numbers – represent, sequence, explore, compare. • Count in 2s, 5s and 10s • Describe and complete number patterns		• Illustrate, explain and link addition and subtraction with equations • Apply 'Make Ten' strategy • Use language to quantify and compare difference		• Identify $\frac{1}{2}$ and $\frac{1}{4}$ of a shape or object • Find $\frac{1}{2}$ and $\frac{1}{4}$ of a quantity	• Compare and measure lengths and mass using cm and kg • Doubling and halving	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Summer	**Numbers 50 to 100 and beyond**		**Addition and subtraction**		**Money**		**Multiplication and division**			**Measures: Capacity and volume**	
	• Read, write, represent, compare and order numbers to 100 • One more / fewer, ten more / fewer • Identify number patterns		• Explore addition and subtraction involving 2-digit numbers and ones • Represent and explain addition and subtraction with regrouping • Investigate number bonds within 20		• Name coins and notes and understand their value • Represent the same value using different coins • Find change		• Explore arrays • Share equally into groups • Doubling • Link halving to fractions			• Compare capacities, volumes and lengths • Explore litres • Apply understanding of fractions to capacity	

Curriculum map: Year 2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	**Numbers within 100**		**Addition and subtraction of 2-digit numbers**		**Addition and subtraction word problems**		**Measures: Length**		**Graphs**	**Multiplication and division**		
	• Read, write, represent, partition, compare and order numbers to 100 • Explore patterns including, odds and evens, tens and ones		• Apply number bonds to add and subtract • Represent and explain addition and subtraction of two 2-digit numbers. • Add three 1-digit numbers		• Introduction to bar models as a representation • Create, label and sketch bar models		• Draw and measure lengths in centimetres • Use <, > and = to compare and order lengths in metres and centimetres		• Represent and interpret: pictograms, block diagrams, tables and tally charts.	• Explore multiplication and division through arrays • Explore division as grouping and as sharing • Connect multiplication and division facts using commutativity and inverse • Calculate the times tables of 2, 5, and 10 using different strategies		

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Spring	**Time**		**Fractions**		**Addition and subtraction of 2-digit numbers**		**Money**		**Face, shapes and patterns; lines and turns**		
	• Tell the time on an analogue clock: quarter past, quarter to and five minute intervals • Calculate durations of time in minutes and seconds • Sequence daily events • Minutes in an hour and hours in a day		• Part-whole relationships • Fractions as part of a whole or a whole set • Relate to division • Equivalent fractions		• Illustrate, represent and explain addition and subtraction involving regrouping including 'Make Ten', 'Round and adjust' and near doubles strategies		• Recognise coins and notes • Use £ and p accurately • Add and subtract amounts • Calculate change		• Explore, sort and describe 2-D shapes • Lines of symmetry in 2-D shapes • Identify 2-D shapes on 3-D shapes • Compare and sort 2-D and 3-D shapes • Use language to describe position, direction and rotation to follow a route		

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Summer	**Numbers within 1000**	**Measures: Capacity and volume**		**Measures: Mass**	**Exploring calculation strategies**		**Exploring multiplicative thinking**	
	• Represent in different ways • Compare using symbols • Read scales	• Read and measure temperature • Estimate, measure and understand litres and millilitres • Compare and order capacities		• Weigh and compare masses in kilograms and grams	• Apply addition and subtraction strategies to solve equations • Illustrate and explain addition and subtraction using column method		• Pattern seek with multiples of 2, 3, 4 5 and 10 using an array • Use known facts to derive facts from the 3 and 4 times tables. • Connect multiplication and division facts using commutativity and inverse	

Curriculum map: Year 3

Autumn

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
	Number sense and exploring calculation strategies			**Place value**		**Graphs**	**Addition and subtraction**			**Length and perimeter**	
	• Read, write, order and compare numbers to 100 • Calculate mentally using known facts, round and adjust, near doubles, adding on to find the difference • Derive new facts from a known fact			• Read, write, represent, partition, order and compare 3-digit numbers • Find 10 and 100 more or less • Round to the nearest multiple of 10 and 100		• Collect, interpret and present data using charts and tables	• Develop and use a range of mental calculation strategies • Illustrate and explain formal written methods – column method			• Measure, draw and compare lengths • Add and subtract lengths • Calculate perimeter	

Spring

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
	Multiplication and division		**Calculating with multiplication and division**			**Time**		**Fractions**		
	• Understanding multiplicative relationships: commutativity and inverse • Exploring multiplication and division facts for 2, 3, 4, 5, 6, 8 and 10		• Multiply and divide by 10 • Multiply a 2-digit number by a 1-digit number • Divide 2-digit by a 1-digit • Correspondence problems			• Tell, record, write and order the time analogue and digital • 12-hour, a.m., p.m. • Measure, calculate and compare durations		• Part-whole relationships • Fractions as part of a whole or a whole set and as a number • Add, subtract, compare and order fractions		

Summer

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
	Angles and shape			**Measures**			**Applying multiplicative thinking**	**Exploring calculation strategies and place value**	
	• Identify angles including right angles and recognise as a quarter of a turn • Identify and draw parallel and perpendicular lines • Draw/make, classify and compare 2-D and 3-D shapes • Measure the perimeter			• Read scales with different intervals when measuring mass and volume • Weigh and compare masses and capacities with mixed units • Estimate mass and capacity			• Representing multiplication and division problems • Solve a one-step problem	• Add and subtract mentally • Find 10, 100 and 1000 more or less • Order and compare beyond 1000 • Round numbers	

Curriculum map: Year 4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Autumn	**Reasoning with large numbers**		**Addition and subtraction**			**Multiplication and division**				**Discrete and continuous data**	
	• 4-digit place value. Read, write, represent, order and compare • Find 10, 100 or 1000 more or less • Round numbers to the nearest 10, 100 or 1000		• Select appropriate strategies to add and subtract • Illustrate and explain appropriate addition and subtraction strategies including column method with regrouping			• Identify and explore patterns in multiplication tables including 7 and 9 • Distributive property including multiplying three 1-digit numbers • Mental multiplication and division strategies using place value and known and derived facts • Short multiplication				• Read, interpret and construct pictograms, bar charts and time graphs • Compare tables, pictograms and bar charts	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Spring	**Calculating with multiplication and division**	**Fractions**				**Time**	**Decimals**			**Area and perimeter**	
	• Division using partitioning • Short division	• Explore different interpretations and representations of fractions • Equivalent fractions • Represent fractions greater than one as mixed number and improper fractions • Add and subtract fractions with the same denominator including fractions greater than one				• Analogue to digital, 12-hour and 24-hour • Convert between units of time	• Decimal equivalents to tenths, quarters and halves • Compare and order numbers with same number of decimal places • Multiply and divide by 10 and 100 including decimals			• Perimeter of rectangles and rectilinear shapes • Area of rectangles and rectilinear shapes • Investigate area and perimeter	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Summer	**Solving measures and money problems**			**Shape and symmetry**		**Position and direction**		**Reasoning with pattern and sequences**		**3-D shape**
	• Convert units of measure • Select appropriate units to measure • Use strategies to investigate problems: trial and improvement, organising using lists and tables, working systematically			• Classify, compare and order angles • Compare and classify 2-D shapes • Identify lines of symmetry		• Describe and plot using coordinates • Describe translations		• Roman numerals up to 100 • Place value of other number systems • Number sequences and patterns		• Use understanding of 3-D shapes • Identify 3-D shapes from 2-D representations

Curriculum map: Year 5

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Autumn	**Reasoning with large whole integers**		**Integer addition and subtraction**		**Line graphs and timetables**		**Multiplication and division**			**Perimeter and area**
	• Read, write, order and compare numbers up to one million • Round numbers within one million to the nearest multiple of powers of ten • Read Roman numerals up to M		• Use rounding to estimate • Use a range of mental calculation strategies to add and subtract integers • Illustrate and explain the written method of column addition and subtraction • Select efficient calculation strategies		• Complete, read and interpret data presented in line graphs • Read and interpret timetables including calculating intervals		• Identify multiples and factors • Investigate prime numbers • Multiply and divide by 10, 100 and 1000 (integers) • Multiply and divide using derived facts • Use written methods to multiply and divide • Use a range of mental calculation strategies			• Investigate area and perimeter of rectilinear shapes • Estimate area of non-rectilinear shapes

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Spring	**Fractions and decimals**			**Angles**		**Fractions and percentages**			**Transformations**	
	• Read, write, order and compare decimals • Round decimals to the nearest whole number • Represent, identify, name, write, order and compare fractions (including improper and mixed numbers) • Calculate fractions of amounts			• Classify, compare and order angles • Measure a draw angles with a protractor • Understand and use angle facts to calculate missing angles		• Add, subtract fractions with denominators that are multiples of the same number • Multiply fractions (and mixed numbers) by a whole number • Explore percentage, decimal, fractions equivalence			• Coordinates in all four quadrants • Translation and reflection • Calculate intervals across zero as a context for negative numbers	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Summer	**Converting units of measure**		**Calculating with whole numbers and decimals**			**2-D and 3-D shape**		**Volume**	**Problem solving**	
	• Convert between metric units of length, mass and capacity and units of time • Know and use approximate conversion between imperial and metric		• Mental strategies to add and subtract involving decimals • Formal written strategies to add, subtract and multiply involving decimals • Multiply and divide decimal numbers by ten, 100 and 1,000 • Derive addition, subtraction and multiplication facts involving decimals			• Classify 2-D shapes and reason about regular and irregular polygons • Properties of diagonals of quadrilaterals • Classify 3-D shapes • 2-D representations of 3-D shapes.		• Use cube numbers and notation • Estimate volume • Convert units of volume	• Negative numbers and calculating intervals across zero • Calculating the mean • Interpret remainders • Investigate numbers: consecutive, palindromic, multiples	

Curriculum map: Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	**Integers and decimals**		**Multiplication and division**			**Calculation problems**		**Fractions and decimals**			**Percentages (with fraction and decimal equivalence)**	**Revision and consolidation time**
	• Represent, read, write, order and compare numbers up to ten million • Round numbers, make estimates and use this to solve problems in context Solve multi-step problems		• Identify and use properties of number, focusing on primes • Multiply larger integers and decimal numbers • Divide integers by 1-digit and 2-digit numbers representing remainders appropriately			• Use of brackets • Use knowledge of the order of operations to carry out calculations • Generate and describe linear number sequences • Express missing number problems algebraically • Solve equations with unknown values		• Deepen understanding of equivalence • Order, simplify and compare fractions, including those greater than one • Recall equivalence between common fractions and decimals • Find decimal quotients using short division • Add and subtract fractions • Represent multiplication involving fractions • Multiply two proper fractions • Divide a fraction by an integer			• Calculate and compare percentages of amounts • Connect percentages with fractions • Explore the equivalence	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Spring	**Decimals and measures**			**Missing angles and length**	**Coordinates and shapes**		**Statistics**		**Proportion problems**		**Revision and consolidation time**
	• Use, read, write and convert between standard units of measures; length, mass, time, money and volume as well as imperial units • Calculate the area of parallelograms and triangles • Calculate, estimate and compare the volume of cuboids			• Compare and classify a range of geometric shapes • Use angle facts to find unknown angles	• Draw a range of geometric shapes using given dimensions and angles • Describe, draw, translate and reflect shapes on a co-ordinate plane • Recognise and construct 3-D shapes • Name parts of a circle		• Calculate the mean • Construct and interpret lines graphs and pie charts • Compare pie charts		• Use fractions to express proportion • Identify ratio as a relationship between quantities and as a scale factor • Unequal sharing involving ratio		

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Summer	**Revision and consolidation time**			**Post SATs units of work (coming 2025-26)**								