



Mathematics Curriculum Map: Reception

Mastery

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	
Autumn	Early mathematical experiences				Pattern and early number		Numbers within 6		Addition and subtraction within 6		Measures	Shape and sorting
	<ul style="list-style-type: none"> Classifying objects based on one attribute Matching equal and unequal sets Comparing objects and sets Ordering objects and sets 				<ul style="list-style-type: none"> Recognise, describe, copy and extend colour and size patterns Count and represent the numbers 1 to 3 Estimate and check by counting 		<ul style="list-style-type: none"> Count up to six objects. One more or one fewer Order numbers 1 – 6 Conservation of numbers within six 		<ul style="list-style-type: none"> Explore zero Explore addition and subtraction 		<ul style="list-style-type: none"> Estimate, order compare, discuss and explore capacity, weight and lengths 	<ul style="list-style-type: none"> Describe, and sort 3-D shapes Describe position accurately

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 8	Week 9
Spring	Numbers within 10		Calendar and time	Addition and subtraction within 10	Grouping and sharing		Number patterns within 15		Doubling and halving	Shape and pattern
	<ul style="list-style-type: none"> Count up to ten objects Represent, order and explore numbers to ten One more or fewer, one greater or less 		<ul style="list-style-type: none"> Days of the week, seasons Sequence daily events 	<ul style="list-style-type: none"> Explore addition as counting on and subtraction as taking away 	<ul style="list-style-type: none"> Counting and sharing in equal groups Grouping into fives and tens Relationship between grouping and sharing 		<ul style="list-style-type: none"> Count up to 15 objects and recognise different representations Order and explore number patterns to 15 One more or fewer 		<ul style="list-style-type: none"> Doubling and halving Relationship between doubling and halving 	<ul style="list-style-type: none"> Describe and sort 2-D and 3-D shapes Recognise, complete and create patterns

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Summer	Securing addition and subtraction facts		Number patterns within 20		Number patterns beyond 20	Money	Measures		Exploration of patterns within number	
	<ul style="list-style-type: none"> Commutativity Explore addition and subtraction Compare two amounts 		<ul style="list-style-type: none"> Count up to 10 and beyond with objects Represent, compare and explore numbers to 20 One more or fewer 		<ul style="list-style-type: none"> One more one less Estimate and count Grouping and sharing 	<ul style="list-style-type: none"> Coin recognition and values Combinations to total 20p Change from 10p 	<ul style="list-style-type: none"> Describe capacities Compare volumes Compare weights Estimate, compare and order lengths 		<ul style="list-style-type: none"> Explore numbers and strategies Recognise and extend patterns Apply number, shape and measures knowledge Count forwards and backwards 	



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Mathematics Curriculum Map: Year 1

Mastery

	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	
	<ul style="list-style-type: none"> • Represent, compare and explore numbers within 10 • One more and one less • Doubling and halving 		<ul style="list-style-type: none"> • Represent and explain addition and subtraction • Commutativity • Addition and subtraction facts 		<ul style="list-style-type: none"> • Identify, describe, sort and classify 2-D and 3-D shapes • Investigate repeating patterns • Use and follow instructional and positional language 		<ul style="list-style-type: none"> • Identify, represent, compare and order numbers to 20 • Doubling and halving • One more and one less 		<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • 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 		<ul style="list-style-type: none"> • Model, explain and choose addition and subtraction strategies 		<ul style="list-style-type: none"> • 2-digit numbers – represent, sequence, explore, compare. • Count in 2s, 5s and 10s • Describe and complete number patterns 		<ul style="list-style-type: none"> • Illustrate, explain and link addition and subtraction with equations • Apply 'Make Ten' strategy • Use language to quantify and compare difference 		<ul style="list-style-type: none"> • Identify $\frac{1}{2}$ and $\frac{1}{4}$ of a shape or object • Find $\frac{1}{2}$ and $\frac{1}{4}$ of a quantity 		<ul style="list-style-type: none"> • 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	
	<ul style="list-style-type: none"> • Read, write, represent, compare and order numbers to 100 • One more / fewer, ten more / fewer • Identify number patterns 		<ul style="list-style-type: none"> • Explore addition and subtraction involving 2-digit numbers and ones • Represent and explain addition and subtraction with regrouping • Investigate number bonds within 20 		<ul style="list-style-type: none"> • Name coins and notes and understand their value • Represent the same value using different coins • Find change 		<ul style="list-style-type: none"> • Explore arrays • Share equally into groups • Doubling • Link halving to fractions 			<ul style="list-style-type: none"> • Compare capacities, volumes and lengths • Explore litres • Apply understanding of fractions to capacity 	



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Mathematics Curriculum Map: Year 2

Mastery

	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		
	<ul style="list-style-type: none"> • Read, write, represent, partition, compare and order numbers to 100 • Explore patterns including, odds and evens, tens and ones 	<ul style="list-style-type: none"> • Apply number bonds to add and subtract • Represent and explain addition and subtraction of two 2-digit numbers. • Add three 1-digit numbers 	<ul style="list-style-type: none"> • Introduction to bar models as a representation • Create, label and sketch bar models 	<ul style="list-style-type: none"> • Draw and measure lengths in centimetres • Use <, > and = to compare and order lengths in metres and centimetres 	<ul style="list-style-type: none"> • Represent and interpret: pictograms, block diagrams, tables and tally charts. 	<ul style="list-style-type: none"> • 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		
	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Part-whole relationships • Fractions as part of a whole or a whole set • Relate to division • Equivalent fractions 	<ul style="list-style-type: none"> • Illustrate, represent and explain addition and subtraction involving regrouping including 'Make Ten', 'Round and adjust' and near doubles strategies 	<ul style="list-style-type: none"> • Recognise coins and notes • Use £ and p accurately • Add and subtract amounts • Calculate change 	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Represent in different ways • Compare using symbols • Read scales 	<ul style="list-style-type: none"> • Read and measure temperature • Estimate, measure and understand litres and millilitres • Compare and order capacities 	<ul style="list-style-type: none"> • Weigh and compare masses in kilograms and grams 	<ul style="list-style-type: none"> • Apply addition and subtraction strategies to solve equations • Illustrate and explain addition and subtraction using column method 	<ul style="list-style-type: none"> • 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 				



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Mathematics Curriculum Map: Year 3

Mastery

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11
Autumn	Number sense and exploring calculation strategies			Place value		Graphs	Addition and subtraction			Length and perimeter	
	<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • 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 		<ul style="list-style-type: none"> • Collect, interpret and present data using charts and tables 	<ul style="list-style-type: none"> • Develop and use a range of mental calculation strategies • Illustrate and explain formal written methods – column method 			<ul style="list-style-type: none"> • Measure, draw and compare lengths • Add and subtract lengths • Calculate perimeter 	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Spring	Multiplication and division		Calculating with multiplication and division			Time		Fractions		
	<ul style="list-style-type: none"> • Understanding multiplicative relationships: commutativity and inverse • Exploring multiplication and division facts for 2, 3, 4, 5, 6, 8 and 10 		<ul style="list-style-type: none"> • Multiply and divide by 10 • Multiply a 2-digit number by a 1-digit number • Divide 2-digit by a 1-digit • Correspondence problems 			<ul style="list-style-type: none"> • Tell, record, write and order the time analogue and digital • 12-hour, a.m., p.m. • Measure, calculate and compare durations 		<ul style="list-style-type: none"> • Part-whole relationships • Fractions as part of a whole or a whole set and as a number • Add, subtract, compare and order fractions 		

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Summer	Angles and shape			Measures			Applying multiplicative thinking	Exploring calculation strategies and place value	
	<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • Read scales with different intervals when measuring mass and volume • Weigh and compare masses and capacities with mixed units • Estimate mass and capacity 			<ul style="list-style-type: none"> • Representing multiplication and division problems • Solve a one-step problem 	<ul style="list-style-type: none"> • Add and subtract mentally • Find 10, 100 and 1000 more or less • Order and compare beyond 1000 • Round numbers 	



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Mathematics Curriculum Map: Year 4 Mastery

	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		
	<ul style="list-style-type: none"> • 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 		<ul style="list-style-type: none"> • Select appropriate strategies to add and subtract • Illustrate and explain appropriate addition and subtraction strategies including column method with regrouping 			<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • 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	
	<ul style="list-style-type: none"> • Division using partitioning • Short division 		<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • Analogue to digital, 12-hour and 24-hour • Convert between units of time 		<ul style="list-style-type: none"> • 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 		<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Convert units of measure • Select appropriate units to measure • Use strategies to investigate problems: trial and improvement, organising using lists and tables, working systematically 			<ul style="list-style-type: none"> • Classify, compare and order angles • Compare and classify 2-D shapes • Identify lines of symmetry 		<ul style="list-style-type: none"> • Describe and plot using coordinates • Describe translations 		<ul style="list-style-type: none"> • Roman numerals up to 100 • Place value of other number systems • Number sequences and patterns 		<ul style="list-style-type: none"> • Use understanding of 3-D shapes • Identify 3-D shapes from 2-D representations



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Mathematics Curriculum Map: Year 5

Mastery

	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
	<ul style="list-style-type: none"> • 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 		<ul style="list-style-type: none"> • 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 		<ul style="list-style-type: none"> • Complete, read and interpret data presented in line graphs • Read and interpret timetables including calculating intervals 		<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • Investigate area and perimeter of rectilinear shapes • Estimate area of non-rectilinear shapes
Spring	Fractions and decimals			Angles		Fractions and percentages			Transformations	
	<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • Classify, compare and order angles • Measure and draw angles with a protractor • Understand and use angle facts to calculate missing angles 		<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • Coordinates in all four quadrants • Translation and reflection • Calculate intervals across zero as a context for negative numbers 	
Summer	Converting units of measure		Calculating with whole numbers and decimals			2-D and 3-D shape		Volume	Problem solving	
	<ul style="list-style-type: none"> • Convert between metric units of length, mass and capacity and units of time • Know and use approximate conversion between imperial and metric 		<ul style="list-style-type: none"> • 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 			<ul style="list-style-type: none"> • 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. 		<ul style="list-style-type: none"> • Use cube numbers and notation • Estimate volume • Convert units of volume 	<ul style="list-style-type: none"> • Negative numbers and calculating intervals across zero • Calculating the mean • Interpret remainders • Investigate numbers: consecutive, palindromic, multiples 	



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Mathematics Curriculum Map: Year 6

Mastery

	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	Revision and consolidation time
	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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			Angles and properties of shape		Position and direction	Statistics	Proportion problems			Revision and consolidation time
	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Compare and classify a range of geometric shapes • Use angle facts to find unknown angles • Recognise and construct 3-D shapes • Name parts of a circle 	<ul style="list-style-type: none"> • Draw a range of geometric shapes using given dimensions and angles • Describe, draw, translate and reflect shapes on a co-ordinate plane 	<ul style="list-style-type: none"> • Calculate the mean • Construct and interpret lines graphs and pie charts • Compare pie charts 	<ul style="list-style-type: none"> • 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			Optional post-SATs units of work								



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