Maths Long Term Planning

Reception

Autumn	Block	Unit Title
	Understanding Number	Counting and naming numbers
		Ordering numbers: sequencing
	Shapes & Patterns (A)	Exploring and playing with symmetry
		Exploring repetitive patterns
	How Many?	Count how many: match one-to-one
		One more/less up to 12
	Time	Introducing time
	Number & Sets	Partitioning to create number bonds
		Recording number bonds
	Comparison & Measurements	Comparing length
		Comparing measures directly
	Shapes & Patterns (B)	Counting in 2s: odd/even numbers
		Exploring 2-D shapes

Spring	Block	Unit Title
	Understanding number	Counting & estimating
		Order and compare numbers
	Position & Time	Where is it?
		Time
	Addition & Subtraction (A)	Partition to create number bonds
		Say the number 1 more/less
	Comparison & Measures	Comparing weights (mass)
		Measuring weights (mass)
	Addition & Subtractions (B)	Count on to add
		Count back to subtract
	Shape	Explore and play with 3-D shapes

Summer	Block	Unit Title
	Understanding number	Teen numbers: 10 and some more
		Exploring 100
	Comparing & Measuring	Measuring outside
	Addition & Subtraction	Equivalence
		Bonds to 10
	Shapes & Sorting	Talking about shapes
		Sorting
	Clever Counting	Counting on; 1 more/less
		Clever counting
	Time	Telling the time
	Patterns	Doubling and halving
		Fractions
	Number Games	Number games

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Key Stage 1 (Year 1 & 2)

Autumn

Block	Unit Title
Place Value	Counting and estimation
	Teens and pace value in 2-digit numbers
	Numbers on a line; compare/order
	Count to 100, 1 more/less; ordinals
Addition & Subtraction (A)	Partition numbers; learn number bond
	Add by counting on in 1s or 10s
	Counting back; understand + and –
Measures	Comparing and measuring lengths
Addition & Subtraction (B)	Reinforce and consolidate number bonds
	Use number facts to add and subtract
	Adding and subtracting tens and ones
Time	Tell time to half and quarter hours
	Understand units of time
Addition & Subtraction (C)	Using different strategies for addition
	Coin recognition: find amounts & change
Fractions & Multiplication	Understanding halves and quarters
	Doubling & halving; odd & even numbers
	Counting in steps of 2 and 5

Spring

Block	Unit Title
Place Value	2-digit place value
	Numbers and quantities
Addition & Subtraction (A)	Mental addition and subtraction
	Adding and subtracting money
Money & Time	Add/sub pairs of 2-digit numbers
	Tell the time; units of time
Measures & Data	Compare and measure mass
	Measure and represent capacity
Addition & Subtraction (B)	Addition
	Subtraction
Multiplication	Clever counting; multiplication
	Relating multiplication and division
Fractions	Fractions
Shape	2-D shapes
	Symmetry
	3-D shapes

Summer

Block	Unit Title
Place Value & Fractions	Place Value
	Fractions
Addition & Subtraction	Addition
	Subtractions
Multiplication & Division	Multiplication & Division
Position & Time	Position & Time
Revision Menu A	Place Value
	Fractions
	Addition and Subtraction
Revision Menu A	Multiplication and Division
	Measures
	Shape
Place Value & Addition	Place Value in 2-digit number
	Add/subtract 1-digit numbers using unit patterns
	Bonds to 10; complements to multiples of 10
	Adding three numbers – number games
Subtraction & using Money	Bridging 10 and counting up subtraction
	Finding totals
	Finding change
Multiplication and Division	Doubling and halving
	Multiplication and division
Shape, Time & Data	Exploring properties of 3-D shape
	Exploring properties of 2-D shape; turns
	Telling the time
	Units of time, block graphs and pictograms

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Lower Key Stage 2 (Year 3 & 4)

	Block	Unit Title		Block	Unit Title		Block	Unit Title
Autumn	Place Value & Money	Numbers on a line; compare and order	**Spring**	Place Value	Negative numbers	**Summer**	Number & Place Value	Number and Place Value
		PV in 3-/4-digit nums; amounts of money			Fractions			Sequences and Roman Numerals
		+/- 1, 10, 100 and 1000, and multiples			Equivalent fractions; +/– fractions			
	Addition & Subtraction (A)	Strategies for adding and subtracting		Addition & Subtraction (A)	Mental addition and subtraction		Addition & Subtraction (A)	Written algorithms
		Number bonds to 100			3-digit +/– 1-digit numbers			Finding a difference – whole numbers
		Subtract by counting up: frog		Measures	Length and data		Addition & Subtraction (B)	Money: finding change and differences
	Multiplication & Division (A)	Rehearsing & understanding times tables			Mass and data			Written addition and subtraction
		Partitioning in multiplication and division		Decimals and Money	x and ÷ with money and 1-place decimals		Multiplication & Division (A)	Times tables, factors and multiples
	Fractions	Doubling, halving and the concept of a half			Decimals and money on a line			Division
		Conceptualising fractions		Multiplication	Times tables		Multiplication & Division (B)	Using partitioning to double, halve and multiply
		Finding fractions of amounts			Partitioning in multiplication			Scaling problems and mental strategies
	Multiplication & Division (B)	Strategies for division		Addition and Subtraction (B)	Column addition		Fractions	Fractions
	Addition and Subtraction (B)	+/- near-/multiples of 10, 100, 1000			Frog and decomposition		Decimals	Decimals and Money
		Partitioning and column addition		Division	Division			Decimals and Measures
		Formal addition & subtraction algorithms					Measures & Data	Area and Perimeter
	Shape	Symmetry and 2D shapes		Time	Telling the time			Time
		Understanding 3D shapes			Time and data			Line Graphs and Bar Charts
							Shape	Exploring shape properties
		Co-ordinates in the first quadrant						Co-ordinates and 3-D shapes

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Upper Key Stage 2 (Years 5 & 6)

Autumn

Block	Unit Title
Place Value	PV and +/- in 5-digit and 6-digit numbers
	Numbers on a line; round to powers of 10
Addition & Subtraction (A)	Column addition with whole numbers
	Column addition: decimals and money
	Whole number column subtraction & frog
Decimals	PV in 2- and 3-place decimal numbers
	Count/add/subtract 0.1, 0.01, 0.001
Multiplication & Division (A)	Properties of numbers, including primes
	Short multiplication: whole numbers, money
	Mental strategies in division
Addition &Subtraction (B)	Money: counting up, change, differences
	Subtract numbers with 1 or 2 decimal
	Strategies for +/-; word problems
Multiplication & Division (B)	Mult/div strategies; rate/scaling problems
	Grid, short, long multiplication problems
Fractions	Order fractions; fractions of amounts
	Decimal/fraction equivalents
	Add/subtract fractions, using equivalence
Shape	Quadrilaterals, other polygons and circles
	Find missing angles and draw 2-D shapes
	Sort 3-D shapes; nets and 3-D shapes
	Coordinates: polygons & transformations

Spring

Block	Unit Title
Place Value	Place Value
	Negative numbers
Calculations	Use of brackets in calculation
	Addition and subtraction
Decimals & Fractions	Frog for decimals
	Exploring fractions
	Multiply and divide fractions
Time &Data	Time and timetables
	Line graphs and pie charts
Multiplication	Multiples, factors and mental strategies
	Multiplication
Measures	Units of measurement
	Area, perimeter, scaled shapes
	Finding volumes
Multiplication & Division	Division
	4-Digit multiplication and division
Algebra & Ratio	Algebra
	Ratio

Summer

Block	Unit Title
Revision Menu A	Numbers and place value
	Addition and subtraction
	Decimals, multiplication and division
Revision Menu B	Fractions, ratio and percentages
	Charts, graphs and algebra
	Area, perimeter and angles
Top-up Revision Menu	Factors, multiples, primes and squares
	Multiplication and division
	Equivalence in fractions, decimals and percentages
	Data: Pie charts and mean
	Charts, graphs and algebra
	Area, perimeter and angles
Decimals, Addition & Subtraction	Exploring decimals
	Smashing subtraction
	Accomplished addition
Number properties & Multiplication	Number properties
	Exploring multiplication
Division, Fractions & Percentages	Division done
	Calculating with fractions
	Mastering percentages
Measures, Shape, Data	It's time!
	Line graphs
	Understanding angles

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