Maths
Long Term Overview

| Early Years	Autumn	Spring	Summer
Little Lennies **(Statements from Development Matters)**	Subitising up to 3 Reciting numbers to 10 Counting sets up to 5 Representing finger numbers to 5. Matching 2d and 3d shapes. Understanding positional language Patterns all around us, spotty, stripey etc Comparisons of size and length	Recognising numerals 0 -5 and linking numerals to amounts Naming shapes and discussing the features. Describing routes and using positional language. Extend and create ABAB patterns. Comparisons of weight	Problem solving with numbers to 5 Comparing quantities using the language more, fewer, same as. Maths recording using own marks or numerals Shape play - combining shapes to make new shapes or bigger ones. Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...' Problem solving in patterns - noticing errors in patterns Comparisons of capacity
Reception	Matching, Sorting Compare amounts Compare size, mass & capacity Make simple patterns Representing 1,2,3 Comparing 1,2,3 Composition of 1,2,3 Circles & Triangles Spatial Awareness 4 & 5 One More and One Less Shapes with 4 sides Introducing zero Night and Day Comparing numbers to 5 Composition of 4 & 5	Compare mass, compare capacity 6,7,8 Making pairs Combining two groups Length & Height Time 9&10 Comparing numbers to 10 Bonds to 10 3D -shape Even and Odd Pattern	Bonds to 10 Building numbers beyond 10 Counting patterns beyond 10 Spatial Reasoning Match, Rotate, Manipulate Adding More, Taking Away Spatial Reasoning Compose and Decompose Doubling, Sharing and Grouping Spatial Reasoning Visualise and Build Deepening Understanding Patterns and Relationships Spatial Reasoning Mapping

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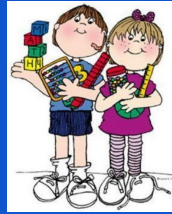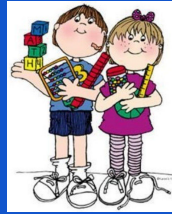| Key Stage 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Counting, recognising and comparing numbers 0 - 10 Counting to and from 20 Counting in tens - decade numbers. Pattern in counting from 20 to 100. Composition of numbers 0 to 5. Comparing quantities - part whole relationships. Time - sequencing events and telling the time to the hour and half hour. Recognise, compose, decompose and manipulate 2D and 3D shapes Unitising and coin recognition - counting in 2s, 5s and 10s Position and direction including fractions of turns.		Consolidation of understanding of composition of numbers 0 to 5. Composition of numbers 6 to 10. Additive structures: addition. Additive structures: addition and subtraction. Addition and subtraction facts within 10. Comparing quantities - part whole relationships. Unitising and coin recognition - counting in 2s, 5s and 10s Time - sequencing events and telling the time to the hour and half hour. Recognise, compose, decompose and manipulate 2D and 3D shapes Position and direction including fractions of turns.		Addition and subtraction facts within 10. Composition of numbers 11 to 19. Numbers 0 to 20 in different contexts Solving problems in a range of contexts. Comparing quantities - part whole relationships. Unitising and coin recognition - value of a set of coins. Time - sequencing events and telling the time to the hour and half hour. Recognise, compose, decompose and manipulate 2D and 3D shapes Unitising and coin recognition - value of a set of coins Position and direction including fractions of turns.	
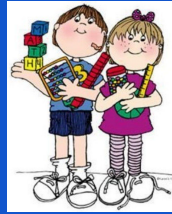
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In Jesus' footsteps we will grow in grace and knowledge

Key Stage 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 2	Composition of multiples of 10. Counting and representing the numbers 20 to 99 Comparing, ordering and partitioning 2-digit numbers Secure fluency of addition and subtraction facts within 10 Calculating within 20 Shape: discuss and compare 2D and 3D shapes Money: recognise coins and use £ and p symbols Fractions: identify equal parts and be familiar with halves, thirds and quarters Time: write and tell the time to five minutes Position and direction Sense of measure - capacity, volume and mass		Calculating within 20 Adding and subtracting ones and tens to and from 2-digit numbers Grouping objects in different ways and relating to multiplication Representing counting in 2s and 10s as the 2 and 10 times tables Representing counting in 5s as the 5 times table and link to the 10 times tables Shape: discuss and compare 2D and 3D shapes Money: recognise coins and use £ and p symbols Fractions: identify equal parts and be familiar with halves, thirds and quarters Doubling, halving, quotative and partitive division Time: write and tell the time to five minutes Position and direction Sense of measure - capacity, volume and mass		Representing counting in 5s as the 5 times table and link to the 10 times tables Multiplying by 2, doubling and halving (factors and products) Introduction to division structures Addition and subtraction of two 2-digit numbers Shape: discuss and compare 2D and 3D shapes Sense of measure - capacity, volume and mass Doubling, halving, quotative and partitive division Time: write and tell the time to five minutes Position and direction	

| Lower Key Stage 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Review strategies for adding and subtracting across 10		Representing 3-digit numbers, comparing and positioning on number lines		2, 4 and 8 times tables: using times tables to solve problems	
	Securing place value to 100 and applying to addition and subtraction		Informal and mental strategies for adding and subtracting two 3-digit numbers		Column subtraction	
	Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10		Understand additive relationships and apply them to rearrange equations		Compare and order unit fractions	
	Representing 3-digit numbers, comparing and positioning on number lines		Identify the addends and the sum in column addition		Calculate the value of a part (fractions as operators)	
	Measuring length and recording in tables		2, 4 and 8 times tables: using times tables to solve problems		Composition of non-unit fractions: addition and subtraction	
	Measures: mass and capacity		Measuring length and recording in tables; mass and capacity		Measuring length and recording in tables	
	Right angles		Right angles		Measures: mass and capacity	
	Unit fractions as part of a whole		Unit fractions as part of a whole		Right angles	
	Tell the time to the nearest minute and compare units of time		Tell the time to the nearest minute and compare units of time		Non-unit fractions	
	Unit fractions as part of a whole		Identify parts and wholes in different contexts		Tell the time to the nearest minute and compare units of time	
			Non-unit fractions		Parallel and perpendicular sides in polygons (and perimeter)	

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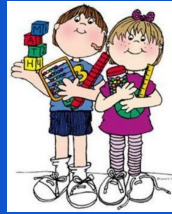| Lower Key Stage 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 4	Review of column addition and subtraction (Roman Numerals) Secure place value to 1000: apply to addition and subtraction: multiples of 100 Comparing, ordering and rounding 4-digit numbers Column addition and subtraction with 4-digit numbers Coordinates Perimeter Symmetry in 2D shapes Calculation and conversion of measures Time: Convert between 12 and 24 hour clocks: analogue and digital Review of fractions Composition of fractions greater than one		Represent counting in threes and sixes as the 3 and 6 times tables Relationship between the 3 and 6 times tables and tests of divisibility Represent counting in nines as the 9 times table 7 times table: odd and even patterns, square numbers and tests of divisibility Understand and represent multiplicative structures Coordinates Perimeter Symmetry in 2D shapes Calculation and conversion of measures Time: Convert between 12 and 24 hour clocks: analogue and digital Compare and order mixed numbers and position on a number line Compare and order mixed numbers and position on a number line & Addition and subtraction of fractions and mixed numbers (within a whole)		Understand and represent multiplicative structures Apply the distributive law to multiplication Understand what happens when a number is multiplied or divided by 10 and 100 Division with remainders Coordinates Perimeter Symmetry in 2D shapes Calculation and conversion of measures Time: Convert between 12 and 24 hour clocks: analogue and digital Addition and subtraction of fractions and mixed numbers (within a whole)	
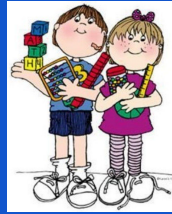
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Upper Key Stage 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 5	Understand tenths as part of a whole, represent and calculate mentally Compose and calculate with decimals including column addition and subtraction Understand hundredths as parts of a whole and represent Negative numbers Multiplication by partitioning leading to short multiplication (2 by 1-digit) Multiplication by partitioning leading to short multiplication (3 by 1-digit) Understand the concept of area Angles: compare, name, estimate and measure angles Converting units Use knowledge of decimals to solve problems in different contexts: length Money: apply efficient strategies when calculating with money		Multiplication by partitioning leading to short multiplication (3 by 1-digit) Division by partitioning leading to short division (2 and 3-digits by 1-digit) Compare and describe measurements using knowledge of multiplication and division Calculating with decimal fractions Understand the concept of area & Understand the concept of volume Angles: compare, name, estimate and measure angles Converting units Use knowledge of decimals to solve problems in different contexts: length Money: apply efficient strategies when calculating with money Understand the concept of volume Link area of rectangles to multiplication		Calculating with decimal fractions Multiply 3 or more numbers (commutative and associative laws) Understand and use the concept of factorisation (square and prime numbers) Use common factors and multiples to solve calculations efficiently Multiply a proper fraction by a whole number Multiply improper fractions and mixed numbers by a whole number Find unit and non-unit fractions of whole numbers exploring parts and wholes Understand the concept of volume Link area of rectangles to multiplication Use knowledge of decimals to solve problems in different contexts: length Money: apply efficient strategies when calculating with money Comparing fractions using equivalence and decimals	

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Upper Key Stage 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 6	Understand place value within numbers with up to 7 digits Multiples of 1,000 Order, compare and calculate with numbers up to 8 digits Rounding and solving problems with numbers up to 7 digits Multiplying and dividing by 2-digit numbers Addition and subtraction of fractions Draw, compose and decompose shapes Area, perimeter, position and direction Understanding percentages Solving problems with two unknowns (Algebra) Statistics Ratio and proportion		Addition and subtraction of fractions Multiplication and division of fractions Comparing fractions Calculating using knowledge of equivalence in addition and subtraction Order of operations Using equivalence to calculate Mean average Draw, compose and decompose shapes Area, perimeter, position and direction Understanding percentages Solving problems with two unknowns (Algebra) Statistics Ratio and proportion		Consolidation of the KS2 Curriculum and developed into further understanding through Problem Solving	