Weston Primary School

Progression in Maths – Threads Overview (Years 1–6)

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Algebra						• Unit 11, 'Area, perimeter, position and direction' • Unit 18, 'Calculating using knowledge of equivalence in addition and subtraction' • Unit 19, 'Solving problems with two unknowns' • Unit 20, 'Order of operations'
Geometry and Measure	• Unit 5, 'Comparing quantities - part part whole relationships' • Unit 7, 'Recognise, compose, decompose and manipulate 2D and 3D shapes' • Unit 13, 'Numbers 0 to 20 in different contexts' • Unit 14, 'Unitising and coin recognition - counting in 2s, 5s and 10s' • Unit 15, 'Unitising and coin recognition - value of a set of coins' • Unit 16, 'Solving problems in a range of contexts' • Unit 17, 'Position and direction including fractions of turns' • Unit 18, 'Time - sequencing events and telling the time to the hour and half hour'	• Unit 2, 'Counting and representing the numbers 20 to 99' • Unit 12, 'Shape: discuss and compare 2D and 3D shapes' • Unit 14, 'Money: recognise coins and use £ and p symbols' • Unit 15, 'Fractions: identify equal parts and be familiar with halves, thirds and quarters' • Unit 16, 'Time: write and tell the time to five minutes' • Unit 17, 'Position and direction' • Unit 19, 'Sense of measure - capacity, volume and mass'	• Unit 4, 'Measuring length and recording in tables' • Unit 5, 'Representing 3-digit numbers, comparing and positioning on number lines' • Unit 6, 'Measures: mass and capacity' • Unit 7, 'Right angles' • Unit 19, 'Parallel and perpendicular sides in polygons' • Unit 20, 'Tell the time to the nearest minute and compare units of time'	• Unit 3, 'Calculation and conversion of measures' • Unit 6, 'Perimeter' • Unit 15, 'Coordinates' • Unit 19, 'Addition and subtraction of fractions and mixed numbers (within a whole)' • Unit 22, 'Properties of 2D and 3D shapes and symmetry' • Unit 23, 'Money: apply efficient strategies when calculating with money' • Unit 24, 'Time: Convert between 12 and 24 hour clocks: analogue and digital'	• Unit 4, 'Use knowledge of decimals to solve problems in different contexts: length' • Unit 5, 'Negative numbers' • Unit 9, 'Understand the concept of area' • Unit 10, 'Link area of rectangles to multiplication' • Unit 13, 'Understand the concept of volume' • Unit 14, 'Multiply 3 or more numbers (commutative and associative laws)' • Unit 21, 'Converting units' • Unit 22, 'Angles: compare, name, estimate and measure angles'	• Unit 8, 'Draw, compose and decompose shapes' • Unit 11, 'Area, perimeter, position and direction' • Unit 16, 'Statistics' • Unit 17, 'Ratio and proportion'
Number	• Unit 1, 'Counting, recognising and comparing numbers 0 - 10'	• Unit 1, 'Composition of multiples of 10' • Unit 2, 'Counting and representing the numbers 20 to 99'	• Unit 1, 'Review strategies for adding and subtracting across 10'	• Unit 1, 'Review of column addition and subtraction' • Unit 2, 'Secure place value to 1000: apply to	• Unit 1, 'Understand tenths as part of a whole, represent and calculate mentally'	• Unit 1, 'Use knowledge of part-part-whole structure to solve additive problems'

	• Unit 2, 'Counting to and from 20' • Unit 3, 'Counting in tens - decade numbers' • Unit 4, 'Pattern in counting from 20 to 100' • Unit 5, 'Comparing quantities - part part whole relationships' • Unit 6, 'Composition of numbers 0 to 5' • Unit 8, 'Composition of numbers 6 to 10' • Unit 9, 'Additive structures: addition' • Unit 10, 'Additive structures: addition and subtraction' • Unit 11, 'Addition and subtraction facts within 10' • Unit 12, 'Composition of numbers 11 to 19' • Unit 13, 'Numbers 0 to 20 in different contexts' • Unit 14, 'Unitising and coin recognition - counting in 2s, 5s and 10s' • Unit 15, 'Unitising and coin recognition - value of a set of coins' • Unit 16, 'Solving problems in a range of contexts'	• Unit 3, 'Comparing, ordering and partitioning 2-digit numbers' • Unit 4, 'Secure fluency of addition and subtraction facts within 10' • Unit 5, 'Calculating within 20' • Unit 6, 'Adding and subtracting ones and tens to and from 2-digit numbers' • Unit 7, 'Grouping objects in different ways and relating to multiplication' • Unit 8, 'Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times tables' • Unit 9, 'Representing counting in 5s as the 5 times table and link to the 10 times tables' • Unit 10, 'Multiplying by 2, doubling and halving (factors and products)' • Unit 11, 'Introduction to division structures' • Unit 13, 'Addition and subtraction of two 2-digit numbers' • Unit 15, 'Fractions: identify equal parts and be familiar with halves, thirds and quarters' • Unit 18, 'Doubling, halving, quotative and partitive division'	• Unit 2, 'Securing place value to 100 and applying to addition and subtraction' • Unit 3, 'Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10' • Unit 4, 'Measuring length and recording in tables' • Unit 5, 'Representing 3-digit numbers, comparing and positioning on number lines' • Unit 6, 'Measures: mass and capacity' • Unit 8, 'Informal and mental strategies for adding and subtracting two 3-digit numbers' • Unit 9, 'Understand additive relationships and apply them to rearrange equations' • Unit 10, 'Column addition' • Unit 11, '2, 4 and 8 times tables: using times tables to solve problems' • Unit 12, 'Column subtraction' • Unit 13, 'Unit fractions as part of a whole' • Unit 14, 'Identify parts and wholes in different contexts' • Unit 15, 'Compare and order unit fractions' • Unit 16, 'Calculate the value of a part (fractions as operators)' • Unit 17, 'Non-unit fractions' • Unit 18, 'Composition of non-unit fractions: addition and subtraction' • Unit 20, 'Tell the time to the nearest minute	addition and subtraction: multiples of 100' • Unit 3, 'Calculation and conversion of measures' • Unit 4, 'Comparing, ordering and rounding 4-digit numbers' • Unit 5, 'Column addition and subtraction with 4-digit numbers' • Unit 7, 'Represent counting in threes and sixes as the 3 and 6 times tables' • Unit 8, 'Relationship between the 3 and 6 times tables and tests of divisibility' • Unit 9, 'Represent counting in nines as the 9 times table' • Unit 10, 'Relationship between the 3 and 9 times tables' • Unit 11, '7 times table: odd and even patterns, square numbers and tests of divisibility' • Unit 12, 'Understand and represent multiplicative structures' • Unit 13, 'Apply the distributive law to multiplication' • Unit 14, 'Understand what happens when a number is multiplied or divided by 10 and 100' • Unit 16, 'Review of fractions' • Unit 17, 'Composition of fractions greater than one' • Unit 18, 'Compare and order mixed numbers and position on a number line' • Unit 19, 'Addition and subtraction of fractions	• Unit 2, 'Compose and calculate with decimals including column addition and subtraction' • Unit 3, 'Understand hundredths as parts of a whole and represent' • Unit 5, 'Negative numbers' • Unit 6, 'Multiplication by partitioning leading to short multiplication (2 by 1-digit)' • Unit 7, 'Multiplication by partitioning leading to short multiplication (3 by 1-digit)' • Unit 8, 'Division by partitioning leading to short division (2 and 3-digits by 1-digit)' • Unit 12, 'Calculating with decimal fractions' • Unit 14, 'Multiply 3 or more numbers (commutative and associative laws)' • Unit 15, 'Understand and use the concept of factorisation (square and prime numbers)' • Unit 16, 'Use common factors and multiples to solve calculations efficiently' • Unit 17, 'Multiply a proper fraction by a whole number' • Unit 18, 'Multiply improper fractions and mixed numbers by a whole number' • Unit 19, 'Find unit and non-unit fractions of whole numbers exploring parts and wholes' • Unit 20, 'Comparing fractions using equivalence and decimals'	• Unit 2, 'Use equivalence and compensation to simplify and solve addition calculations' • Unit 3, 'Use equivalence and compensation to simplify and solve subtraction problems' • Unit 4, 'Multiples of 1,000' • Unit 5, 'Understand place value within numbers with up to 7 digits' • Unit 7, 'Rounding and solving problems with numbers up to 7 digits' • Unit 9, 'Using equivalence to calculate' • Unit 10, 'Multiplying and dividing by 2-digit numbers' • Unit 12, 'Addition and subtraction of fractions' • Unit 13, 'Comparing fractions' • Unit 14, 'Multiplication and division of fractions' • Unit 15, 'Understanding percentages' • Unit 18, 'Calculating using knowledge of equivalence in addition and subtraction' • Unit 20, 'Order of operations'

			and compare units of time'	and mixed numbers (within a whole)' • Unit 20, 'Convert improper fractions to mixed numbers and vice versa' • Unit 21, 'Efficient strategies for adding and subtracting mixed numbers (crossing a whole)' • Unit 25, 'Division with remainders'		
Number: Addition and Subtraction	• Unit 6, 'Composition of numbers 0 to 5' • Unit 8, 'Composition of numbers 6 to 10' • Unit 9, 'Additive structures: addition' • Unit 10, 'Additive structures: addition and subtraction' • Unit 11, 'Addition and subtraction facts within 10' • Unit 13, 'Numbers 0 to 20 in different contexts' • Unit 15, 'Unitising and coin recognition - value of a set of coins' • Unit 16, 'Solving problems in a range of contexts'	• Unit 4, 'Secure fluency of addition and subtraction facts within 10' • Unit 5, 'Calculating within 20' • Unit 6, 'Adding and subtracting ones and tens to and from 2-digit numbers' • Unit 13, 'Addition and subtraction of two 2-digit numbers' • Unit 14, 'Money: recognise coins and use £ and p symbols' • Unit 19, 'Sense of measure - capacity, volume and mass'	• Unit 1, 'Review strategies for adding and subtracting across 10' • Unit 2, 'Securing place value to 100 and applying to addition and subtraction' • Unit 3, 'Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10' • Unit 5, 'Representing 3-digit numbers, comparing and positioning on number lines' • Unit 6, 'Measures: mass and capacity' • Unit 8, 'Informal and mental strategies for adding and subtracting two 3-digit numbers' • Unit 9, 'Understand additive relationships and apply them to rearrange equations' • Unit 10, 'Column addition' • Unit 12, 'Column subtraction' • Unit 18, 'Composition of non-unit fractions: addition and subtraction' • Unit 19, 'Parallel and perpendicular sides in polygons' • Unit 20, 'Tell the time to the nearest minute	• Unit 1, 'Review of column addition and subtraction' • Unit 2, 'Secure place value to 1000: apply to addition and subtraction: multiples of 100' • Unit 3, 'Calculation and conversion of measures' • Unit 5, 'Column addition and subtraction with 4-digit numbers' • Unit 6, 'Perimeter' • Unit 23, 'Money: apply efficient strategies when calculating with money'	• Unit 2, 'Compose and calculate with decimals including column addition and subtraction'	• Unit 1, 'Use knowledge of part-part-whole structure to solve additive problems' • Unit 2, 'Use equivalence and compensation to simplify and solve addition calculations' • Unit 3, 'Use equivalence and compensation to simplify and solve subtraction problems' • Unit 5, 'Understand place value within numbers with up to 7 digits' • Unit 6, 'Order, compare and calculate with numbers up to 8 digits' • Unit 7, 'Rounding and solving problems with numbers up to 7 digits' • Unit 9, 'Using equivalence to calculate' • Unit 10, 'Multiplying and dividing by 2-digit numbers' • Unit 12, 'Addition and subtraction of fractions' • Unit 16, 'Statistics' • Unit 18, 'Calculating using knowledge of equivalence in addition and subtraction'

			and compare units of time'			• Unit 19, 'Solving problems with two unknowns' • Unit 20, 'Order of operations' • Unit 21, 'Mean average'
Number: Fractions	• Unit 16, 'Solving problems in a range of contexts' • Unit 17, 'Position and direction including fractions of turns'	• Unit 10, 'Multiplying by 2, doubling and halving (factors and products)' • Unit 15, 'Fractions: identify equal parts and be familiar with halves, thirds and quarters' • Unit 16, 'Time: write and tell the time to five minutes' • Unit 18, 'Doubling, halving, quotative and partitive division'	• Unit 13, 'Unit fractions as part of a whole' • Unit 14, 'Identify parts and wholes in different contexts' • Unit 15, 'Compare and order unit fractions' • Unit 16, 'Calculate the value of a part (fractions as operators)' • Unit 17, 'Non-unit fractions' • Unit 18, 'Composition of non-unit fractions: addition and subtraction'	• Unit 14, 'Understand what happens when a number is multiplied or divided by 10 and 100' • Unit 16, 'Review of fractions' • Unit 17, 'Composition of fractions greater than one' • Unit 18, 'Compare and order mixed numbers and position on a number line' • Unit 19, 'Addition and subtraction of fractions and mixed numbers (within a whole)' • Unit 20, 'Convert improper fractions to mixed numbers and vice versa' • Unit 21, 'Efficient strategies for adding and subtracting mixed numbers (crossing a whole)' • Unit 23, 'Money: apply efficient strategies when calculating with money'	• Unit 1, 'Understand tenths as part of a whole, represent and calculate mentally' • Unit 3, 'Understand hundredths as parts of a whole and represent' • Unit 12, 'Calculating with decimal fractions' • Unit 17, 'Multiply a proper fraction by a whole number' • Unit 18, 'Multiply improper fractions and mixed numbers by a whole number' • Unit 19, 'Find unit and non-unit fractions of whole numbers exploring parts and wholes' • Unit 20, 'Comparing fractions using equivalence and decimals'	• Unit 1, 'Use knowledge of part-part-whole structure to solve additive problems' • Unit 12, 'Addition and subtraction of fractions' • Unit 13, 'Comparing fractions' • Unit 14, 'Multiplication and division of fractions' • Unit 15, 'Understanding percentages'
Number: Multiplication and division	• Unit 14, 'Unitising and coin recognition - counting in 2s, 5s and 10s' • Unit 16, 'Solving problems in a range of contexts'	• Unit 7, 'Grouping objects in different ways and relating to multiplication' • Unit 8, 'Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times tables' • Unit 9, 'Representing counting in 5s as the 5 times table and link to the 10 times tables' • Unit 11, 'Introduction to division structures' • Unit 18, 'Doubling, halving, quotative and partitive division'	• Unit 11, '2, 4 and 8 times tables: using times tables to solve problems' • Unit 16, 'Calculate the value of a part (fractions as operators)' • Unit 20, 'Tell the time to the nearest minute and compare units of time'	• Unit 3, 'Calculation and conversion of measures' • Unit 7, 'Represent counting in threes and sixes as the 3 and 6 times tables' • Unit 8, 'Relationship between the 3 and 6 times tables and tests of divisibility' • Unit 9, 'Represent counting in nines as the 9 times table' • Unit 10, 'Relationship between the 3 and 9 times tables'	• Unit 4, 'Use knowledge of decimals to solve problems in different contexts: length' • Unit 6, 'Multiplication by partitioning leading to short multiplication (2 by 1-digit)' • Unit 7, 'Multiplication by partitioning leading to short multiplication (3 by 1-digit)' • Unit 8, 'Division by partitioning leading to short division (2 and 3-digits by 1-digit)'	• Unit 5, 'Understand place value within numbers with up to 7 digits' • Unit 6, 'Order, compare and calculate with numbers up to 8 digits' • Unit 7, 'Rounding and solving problems with numbers up to 7 digits' • Unit 9, 'Using equivalence to calculate' • Unit 10, 'Multiplying and dividing by 2-digit numbers'

				• Unit 11, '7 times table: odd and even patterns, square numbers and tests of divisibility' • Unit 12, 'Understand and represent multiplicative structures' • Unit 13, 'Apply the distributive law to multiplication' • Unit 23, 'Money: apply efficient strategies when calculating with money' • Unit 25, 'Division with remainders'	• Unit 9, 'Understand the concept of area' • Unit 10, 'Link area of rectangles to multiplication' • Unit 11, 'Compare and describe measurements using knowledge of multiplication and division' • Unit 12, 'Calculating with decimal fractions' • Unit 13, 'Understand the concept of volume' • Unit 14, 'Multiply 3 or more numbers (commutative and associative laws)' • Unit 15, 'Understand and use the concept of factorisation (square and prime numbers)' • Unit 16, 'Use common factors and multiples to solve calculations efficiently' • Unit 20, 'Comparing fractions using equivalence and decimals' • Unit 21, 'Converting units'	• Unit 14, 'Multiplication and division of fractions' • Unit 15, 'Understanding percentages' • Unit 16, 'Statistics' • Unit 17, 'Ratio and proportion' • Unit 19, 'Solving problems with two unknowns' • Unit 20, 'Order of operations' • Unit 21, 'Mean average'
Number: Place value	• Unit 1, 'Counting, recognising and comparing numbers 0 - 10' • Unit 2, 'Counting to and from 20' • Unit 3, 'Counting in tens - decade numbers' • Unit 4, 'Pattern in counting from 20 to 100' • Unit 12, 'Composition of numbers 11 to 19'	• Unit 1, 'Composition of multiples of 10' • Unit 2, 'Counting and representing the numbers 20 to 99' • Unit 3, 'Comparing, ordering and partitioning 2-digit numbers' • Unit 13, 'Addition and subtraction of two 2-digit numbers' • Unit 14, 'Money: recognise coins and use £ and p symbols'	• Unit 2, 'Securing place value to 100 and applying to addition and subtraction' • Unit 3, 'Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10' • Unit 4, 'Measuring length and recording in tables' • Unit 5, 'Representing 3-digit numbers, comparing and positioning on number lines' • Unit 6, 'Measures: mass and capacity' • Unit 11, '2, 4 and 8 times tables: using	• Unit 1, 'Review of column addition and subtraction' • Unit 2, 'Secure place value to 1000: apply to addition and subtraction: multiples of 100' • Unit 4, 'Comparing, ordering and rounding 4-digit numbers' • Unit 5, 'Column addition and subtraction with 4-digit numbers' • Unit 7, 'Represent counting in threes and sixes as the 3 and 6 times tables' • Unit 8, 'Relationship between the 3 and 6	• Unit 1, 'Understand tenths as part of a whole, represent and calculate mentally' • Unit 2, 'Compose and calculate with decimals including column addition and subtraction' • Unit 3, 'Understand hundredths as parts of a whole and represent' • Unit 4, 'Use knowledge of decimals to solve problems in different contexts: length' • Unit 5, 'Negative numbers' • Unit 6, 'Multiplication by partitioning leading	• Unit 4, 'Multiples of 1,000' • Unit 5, 'Understand place value within numbers with up to 7 digits' • Unit 7, 'Rounding and solving problems with numbers up to 7 digits' • Unit 10, 'Multiplying and dividing by 2-digit numbers'

			times tables to solve problems'	times tables and tests of divisibility' • Unit 10, 'Relationship between the 3 and 9 times tables' • Unit 11, '7 times table: odd and even patterns, square numbers and tests of divisibility' • Unit 14, 'Understand what happens when a number is multiplied or divided by 10 and 100' • Unit 15, 'Coordinates'	to short multiplication (2 by 1-digit)' • Unit 7, 'Multiplication by partitioning leading to short multiplication (3 by 1-digit)' • Unit 8, 'Division by partitioning leading to short division (2 and 3-digits by 1-digit)' • Unit 21, 'Converting units'	
Probability						• Unit 8, 'Draw, compose and decompose shapes' • Unit 11, 'Area, perimeter, position and direction' • Unit 17, 'Ratio and proportion'
Ratio and Proportion			• Unit 2, 'Securing place value to 100 and applying to addition and subtraction' • Unit 3, 'Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10' • Unit 8, 'Informal and mental strategies for adding and subtracting two 3-digit numbers' • Unit 9, 'Understand additive relationships and apply them to rearrange equations' • Unit 10, 'Column addition' • Unit 12, 'Column subtraction'			• Unit 15, 'Understanding percentages' • Unit 17, 'Ratio and proportion'
Statistics		• Unit 5, 'Calculating within 20' • Unit 8, 'Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times tables' • Unit 9, 'Representing counting in 5s as the 5 times table and link to the 10 times tables'	• Unit 4, 'Measuring length and recording in tables' • Unit 5, 'Representing 3-digit numbers, comparing and positioning on number lines' • Unit 10, 'Column addition'	• Unit 1, 'Review of column addition and subtraction' • Unit 2, 'Secure place value to 1000: apply to addition and subtraction: multiples of 100'	• Unit 1, 'Understand tenths as part of a whole, represent and calculate mentally' • Unit 2, 'Compose and calculate with decimals including column addition and subtraction'	• Unit 4, 'Multiples of 1,000' • Unit 16, 'Statistics' • Unit 21, 'Mean average'

		• Unit 13, 'Addition and subtraction of two 2-digit numbers'	• Unit 11, '2, 4 and 8 times tables: using times tables to solve problems' • Unit 12, 'Column subtraction'	• Unit 4, 'Comparing, ordering and rounding 4-digit numbers' • Unit 19, 'Addition and subtraction of fractions and mixed numbers (within a whole)'	• Unit 3, 'Understand hundredths as parts of a whole and represent' • Unit 5, 'Negative numbers'	