MATHS LONG TERM PLANS
(YEAR 1 – YEAR 6)

Oak National Academy Curriculum Resources

Mike Knight
Trust Leader of Education
The Blue Kite
Academy Trust

The Blue Kite Academy Trust

Oak National Academy Maths Long Term Plans

Oak National Academy

Year 1

	1	2	3	4	5	6	7	8	9	10	11	12	13
Autumn	**Y1 Unit 1** Counting, recognising and comparing numbers 0 - 10			**Y1 Unit 2** Counting to and from 20		**Y1 Unit 3** Counting in tens - decade numbers	**Y1 Unit 4** Pattern in counting from 20 to 100	**Y1 Unit 5** Comparing quantities - part part whole relationships			**Y1 Unit 6** Composition of numbers 0 to 5		Consolidation
Spring	**Y1 Unit 7** Recognise, compose, decompose and manipulate 2D and 3D shapes			**Y1 Unit 8** Composition of numbers 6 to 10			**Y1 Unit 9** Additive structures: addition		**Y1 Unit 10** Additive structures: addition and subtraction		**Y1 Unit 11** Addition and subtraction facts within 10		
Summer	**Y1 Unit 12** Composition of numbers 11 to 19		**Y1 Unit 13** Numbers 0 to 20 in different contexts		**Y1 Unit 14** Unitising and coin recognition - counting in 2s, 5s and 10s		**Y1 Unit 15** Unitising and coin recognition - value of a set of coins		**Y1 Unit 16** Solving problems in a range of contexts	**Y1 Unit 17** Position and direction including fractions of turns	**Y1 Unit 18** Time - sequencing events and telling the time to the hour and half hour		Consolidation

Year 2

	1	2	3	4	5	6	7	8	9	10	11	12	13
Autumn	**Y2 Unit 1** Composition of multiples of 10		**Y2 Unit 2** Counting and representing the numbers 20 to 99	**Y2 Unit 3** Comparing, ordering and partitioning 2-digit numbers	**Y2 Unit 4** Secure fluency of addition and subtraction facts within 10	**Y2 Unit 5** Calculating within 20			**Y2 Unit 6** Adding and subtracting ones and tens to and from 2-digit numbers			Consolidation	
Spring	**Y2 Unit 7** Grouping objects in different ways and relating to multiplication		**Y2 Unit 8** Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times tables		**Y2 Unit 9** Representing counting in 5s as the 5 times table and link to the 10 times tables		**Y2 Unit 10** Multiplying by 2, doubling and halving (factors and products)	**Y2 Unit 11** Introduction to division structures		**Y2 Unit 12** Shape: discuss and compare 2D and 3D shapes		**Y2 Unit 13** Addition and subtraction of two 2-digit numbers	
Summer	**Y2 Unit 13** Addition and subtraction of two 2-digit numbers (*cont*)	**Y2 Unit 14** Money: recognise coins and use £ and p symbols	**Y2 Unit 15** Fractions: identify equal parts and be familiar with halves, thirds and quarters		**Y2 Unit 16** Time: write and tell the time to five minutes	**Y2 Unit 17** Position and direction	**Y2 Unit 18** Doubling, halving, quotative and partitive division			**Y2 Unit 19** Sense of measure - capacity, volume and mass		Consolidation	

The Blue Kite Academy Trust

Oak National Academy Maths Long Term Plans

Oak National Academy

Year 3

	1	2	3	4	5	6	7	8	9	10	11	12	13
Autumn	**Y3 Unit 1** Review strategies for adding and subtracting across 10		**Y3 Unit 2** Securing place value to 100 and applying to addition and subtraction		**Y3 Unit 3** Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10	**Y3 Unit 4** Measuring length and recording in tables		**Y3 Unit 5** Representing 3-digit numbers, comparing and positioning on number lines			**Y3 Unit 6** Measures: mass and capacity		Consolidation
Spring	**Y3 Unit 7** Right Angles		**Y3 Unit 8** Informal and mental strategies for adding and subtracting two 3-digit numbers		**Y3 Unit 9** Understand additive relationships and apply them to rearrange equations		**Y3 Unit 10** Column addition		**Y3 Unit 11** 2, 4 and 8 times tables: using times tables to solve problems			**Y3 Unit 12** Column subtraction	Consolidation
Summer	**Y3 Unit 13** Unit fractions as part of a whole		**Y3 Unit 14** Identify parts and wholes in different contexts	**Y3 Unit 15** Compare and order unit fractions	**Y3 Unit 16** Calculate the value of a part (fractions as operators)	**Y3 Unit 17** Non-unit fractions		**Y3 Unit 18** Composition of non-unit fractions: addition and subtraction		**Y3 Unit 19** Parallel and perpendicular sides in polygons		**Y3 Unit 20** Tell the time to the nearest minute and compare units of time	Consolidation

Year 4

	1	2	3	4	5	6	7	8	9	10	11	12	13
Autumn	**Y4 Unit 1** Review of column addition and subtraction			**Y4 Unit 2** Secure place value to 1000: apply to addition and subtraction: multiples of 100	**Y4 Unit 3** Calculation and conversion of measures	**Y4 Unit 4** Comparing, ordering and rounding 4-digit numbers	**Y4 Unit 5** Column addition and subtraction with 4-digit numbers	**Y4 Unit 6** **Perimeter**		**Y4 Unit 7** Represent counting in threes and sixes as the 3 and 6 times tables	**Y4 Unit 8** Relationship between the 3 and 6 times tables and tests of divisibility	Consolidation	
Spring	**Y4 Unit 9** Represent counting in nines as the 9 times table	**Y4 Unit 10** Relationship between the 3 and 9 times tables	**Y4 Unit 11** 7 times table: odd and even patterns, square numbers and tests of divisibility		**Y4 Unit 12** Understand and represent multiplicative structures	**Y4 Unit 13** Apply the distributive law to multiplication	**Y4 Unit 14** Understand what happens when a number is multiplied or divided by 10 and 100			**Y4 Unit 15** Coordinates		**Y4 Unit 16** Review of fractions	**Y4 Unit 17** Composition of fractions greater than one
Summer	**Y4 Unit 18** Compare and order mixed numbers and position on a number line	**Y4 Unit 19** Addition and subtraction of fractions and mixed numbers (within a whole)	**Y4 Unit 20** Convert improper fractions to mixed numbers and vice versa	**Y4 Unit 21** Efficient strategies for adding and subtracting mixed numbers (crossing a whole)	**Y4 Unit 22** Properties of 2D and 3D shapes and symmetry		**Y4 Unit 23** Money: apply efficient strategies when calculating with money		**Y4 Unit 24** Time: Convert between 12 and 24 hour clocks: analogue and digital	**Y4 Unit 25** Division with remainders		Consolidation	

The Blue Kite Academy Trust

Oak National Academy Maths Long Term Plans

Oak National Academy

Year 5

	1	2	3	4	5	6	7	8	9	10	11	12	13
Autumn	**Y5 Unit 1** Understand tenths as part of a whole, represent and calculate mentally	**Y5 Unit 2** Compose and calculate with decimals including column addition and subtraction	**Y5 Unit 3** Understand hundredths as parts of a whole and represent	**Y5 Unit 4** Use knowledge of decimals to solve problems in different contexts: length		**Y5 Unit 5** Negative numbers		**Y5 Unit 6** Multiplication by partitioning leading to short multiplication (2 by 1-digit)		**Y5 Unit 7** Multiplication by partitioning leading to short multiplication (3 by 1-digit)	**Y5 Unit 8** Division by partitioning leading to short division (2 and 3-digits by 1-digit)		
Spring	**Y5 Unit 9** Understand the concept of area	**Y5 Unit 10** Link area of rectangles to multiplication		**Y5 Unit 11** Compare and describe measurements using knowledge of multiplication and division		**Y5 Unit 12** Calculating with decimal fractions			**Y5 Unit 13** Understand the concept of volume	**Y5 Unit 14** Multiply 3 or more numbers (commutative and associative laws)	**Y5 Unit 15** Understand and use the concept of factorisation (square and prime numbers)	**Y5 Unit 16** Use common factors and multiples to solve calculations efficiently	Consolidation
Summer	**Y5 Unit 17** Multiply a proper fraction by a whole number	**Y5 Unit 18** Multiply improper fractions and mixed numbers by a whole number	**Y5 Unit 19** Find unit and non-unit fractions of whole numbers exploring parts and wholes		**Y5 Unit 20** Comparing fractions using equivalence and decimals			**Y5 Unit 21** Converting units		**Y5 Unit 22** Angles: compare, name, estimate and measure angles			Consolidation

Year 6

	1	2	3	4	5	6	7	8	9	10	11	12	13
Autumn	**Y6 Unit 1** Use knowledge of part-part-whole structure to solve additive problems		**Y6 Unit 2** Use equivalence and compensation to simplify and solve addition calculations		**Y6 Unit 3** Use equivalence and compensation to simplify and solve subtraction problems		**Y6 Unit 4** Multiples of 1,000		**Y6 Unit 5** Understand place value within numbers with up to 7 digits	**Y6 Unit 6** Order, compare and calculate with numbers up to 8 digits		**Y6 Unit 7** Rounding and solving problems with numbers up to 7 digits	**Y6 Unit 8** Draw, compose and decompose shapes
Spring	**Y6 Unit 8** Draw, compose and decompose shapes *(Cont.)*	**Y6 Unit 9** Using equivalence to calculate	**Y6 Unit 10** Multiplying and dividing by 2-digit numbers			**Y6 Unit 11** Area, perimeter, position and direction		**Y6 Unit 12** Addition and subtraction of fractions		**Y6 Unit 13** Comparing fractions	**Y6 Unit 14** Multiplication and division of fractions	**Y6 Unit 15** Understanding percentages	
Summer	*KS2 SATs Prep*			*KS2 SATs*	**Y6 Unit 16** Statistics	**Y6 Unit 17** Ratio and proportion		**Y6 Unit 18** Calculating using knowledge of equivalence in addition and subtraction	**Y6 Unit 19** Solving problems with two unknowns		**Y6 Unit 20** Order of operations	**Y6 Unit 21** Mean average	Consolidation