



**ST THOMAS  
MORE**

VC ACADEMY

**MATHS LONG TERM PLANS  
(YEAR 1 - YEAR 6)**

Oak National Academy Curriculum Resources

# Oak National Academy Maths Long Term Plans



## Year 1

|        | 1   | 2 | 3  | 4  | 5  | 6   | 7   | 8  | 9  | 10   | 11   | 12 | 13            |
|--------|---|---|--|--|--|---|---|--|--|--|--|----|---------------|
| Autumn | <u>Y1 Unit 1</u><br>Counting, recognising and comparing numbers 0 - 10            |   |  | <u>Y1 Unit 2</u><br>Counting to and from 20        |  | <u>Y1 Unit 3</u><br>Counting in tens - decade numbers | <u>Y1 Unit 4</u><br>Pattern in counting from 20 to 100                        | <u>Y1 Unit 5</u><br>Comparing quantities - part part whole relationships |  |  | <u>Y1 Unit 6</u><br>Composition of numbers 0 to 5  |    | Consolidation |
| Spring | <u>Y1 Unit 7</u><br>Recognise, compose, decompose and manipulate 2D and 3D shapes |   |  | <u>Y1 Unit 8</u><br>Composition of numbers 6 to 10 |  |   | <u>Y1 Unit 9</u><br>Additive structures: addition                             |  | <u>Y1 Unit 10</u><br>Additive structures: addition and subtraction |  | <u>Y1 Unit 11</u><br>Addition and subtraction facts within 10                                |    |               |
| Summer | <u>Y1 Unit 12</u><br>Composition of numbers 11 to 19                              |   | <u>Y1 Unit 13</u><br>Numbers 0 to 20 in different contexts |  | <u>Y1 Unit 14</u><br>Unitising and coin recognition - counting in 2s, 5s and 10s |   | <u>Y1 Unit 15</u><br>Unitising and coin recognition - value of a set of coins |  | <u>Y1 Unit 16</u><br>Solving problems in a range of contexts       | <u>Y1 Unit 17</u><br>Position and direction including fractions of turns | <u>Y1 Unit 18</u><br>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 | <u>Y2 Unit 1</u><br>Composition of multiples of 10                                    |   | <u>Y2 Unit 2</u><br>Counting and representing the numbers 20 to 99                                    | <u>Y2 Unit 3</u><br>Comparing, ordering and partitioning 2-digit numbers | <u>Y2 Unit 4</u><br>Secure fluency of addition and subtraction facts within 10                       | <u>Y2 Unit 5</u><br>Calculating within 20   |  |  | <u>Y2 Unit 6</u><br>Adding and subtracting ones and tens to and from 2-digit numbers |   |    | Consolidation  |    |
| Spring | <u>Y2 Unit 7</u><br>Grouping objects in different ways and relating to multiplication |   | <u>Y2 Unit 8</u><br>Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times tables           |  | <u>Y2 Unit 9</u><br>Representing counting in 5s as the 5 times table and link to the 10 times tables |   | <u>Y2 Unit 10</u><br>Multiplying by 2, doubling and halving (factors and products) | <u>Y2 Unit 11</u><br>Introduction to division structures |  | <u>Y2 Unit 12</u><br>Shape: discuss and compare 2D and 3D shapes  |    | <u>Y2 Unit 13</u><br>Addition and subtraction of two 2-digit numbers |    |
| Summer | <u>Y2 Unit 13</u><br>Addition and subtraction of two 2-digit numbers ( <i>cont</i> )  | <u>Y2 Unit 14</u><br>Money: recognise coins and use £ and p symbols | <u>Y2 Unit 15</u><br>Fractions: identify equal parts and be familiar with halves, thirds and quarters |  | <u>Y2 Unit 16</u><br>Time: write and tell the time to five minutes                                   | <u>Y2 Unit 17</u><br>Position and direction | <u>Y2 Unit 18</u><br>Doubling, halving, quotative and partitive division           |  |  | <u>Y2 Unit 19</u><br>Sense of measure - capacity, volume and mass |    | Consolidation  |    |

# Oak National Academy Maths Long Term Plans



## Year 3

|        | 1  | 2 | 3   | 4   | 5   | 6  | 7                                    | 8   | 9  | 10  | 11  | 12   | 13            |
|--------|--|---|---|---|---|--|--------------------------------------|---|--|---|---|--|---------------|
| Autumn | <b>Y3 Unit 1</b><br>Review strategies for adding and subtracting across 10 |   | <b>Y3 Unit 2</b><br>Securing place value to 100 and applying to addition and subtraction          |   | <b>Y3 Unit 3</b><br>Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10 | <b>Y3 Unit 4</b><br>Measuring length and recording in tables |                                      | <b>Y3 Unit 5</b><br>Representing 3-digit numbers, comparing and positioning on number lines |  |   | <b>Y3 Unit 6</b><br>Measures: mass and capacity |  | Consolidation |
| Spring | <b>Y3 Unit 7</b><br>Right Angles   |   | <b>Y3 Unit 8</b><br>Informal and mental strategies for adding and subtracting two 3-digit numbers |   | <b>Y3 Unit 9</b><br>Understand additive relationships and apply them to rearrange equations       |  | <b>Y3 Unit 10</b><br>Column addition |   | <b>Y3 Unit 11</b><br>2, 4 and 8 times tables: using times tables to solve problems |   |   | <b>Y3 Unit 12</b><br>Column subtraction  | Consolidation |
| Summer | <b>Y3 Unit 13</b><br>Unit fractions as part of a whole                     |   | <b>Y3 Unit 14</b><br>Identify parts and wholes in different contexts                              | <b>Y3 Unit 15</b><br>Compare and order unit fractions | <b>Y3 Unit 16</b><br>Calculate the value of a part (fractions as operators)                       | <b>Y3 Unit 17</b><br>Non-unit fractions                      |                                      | <b>Y3 Unit 18</b><br>Composition of non-unit fractions: addition and subtraction            |  | <b>Y3 Unit 19</b><br>Parallel and perpendicular sides in polygons |   | <b>Y3 Unit 20</b><br>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 | <u>Y4 Unit 1</u><br>Review of column addition and subtraction                      |   |   | <u>Y4 Unit 2</u><br>Secure place value to 1000: apply to addition and subtraction: multiples of 100   | <u>Y4 Unit 3</u><br>Calculation and conversion of measures              | <u>Y4 Unit 4</u><br>Comparing, ordering and rounding 4-digit numbers | <u>Y4 Unit 5</u><br>Column addition and subtraction with 4-digit numbers                          | <u>Y4 Unit 6</u><br>Perimeter |  | <u>Y4 Unit 7</u><br>Represent counting in threes and sixes as the 3 and 6 times tables | <u>Y4 Unit 8</u><br>Relationship between the 3 and 6 times tables and tests of divisibility | Consolidation                            |  |
| Spring | <u>Y4 Unit 9</u><br>Represent counting in nines as the 9 times table               | <u>Y4 Unit 10</u><br>Relationship between the 3 and 9 times tables                            | <u>Y4 Unit 11</u><br>7 times table: odd and even patterns, square numbers and tests of divisibility |   | <u>Y4 Unit 12</u><br>Understand and represent multiplicative structures | <u>Y4 Unit 13</u><br>Apply the distributive law to multiplication    | <u>Y4 Unit 14</u><br>Understand what happens when a number is multiplied or divided by 10 and 100 |                               |  | <u>Y4 Unit 15</u><br>Coordinates   |   | <u>Y4 Unit 16</u><br>Review of fractions | <u>Y4 Unit 17</u><br>Composition of fractions greater than one |
| Summer | <u>Y4 Unit 18</u><br>Compare and order mixed numbers and position on a number line | <u>Y4 Unit 19</u><br>Addition and subtraction of fractions and mixed numbers (within a whole) | <u>Y4 Unit 20</u><br>Convert improper fractions to mixed numbers and vice versa                     | <u>Y4 Unit 21</u><br>Efficient strategies for adding and subtracting mixed numbers (crossing a whole) | <u>Y4 Unit 22</u><br>Properties of 2D and 3D shapes and symmetry        |  | <u>Y4 Unit 23</u><br>Money: apply efficient strategies when calculating with money                |                               | <u>Y4 Unit 24</u><br>Time: Convert between 12 and 24 hour clocks: analogue and digital | <u>Y4 Unit 25</u><br>Division with remainders  |   | Consolidation                            |  |

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## Year 5

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

## Year 6

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