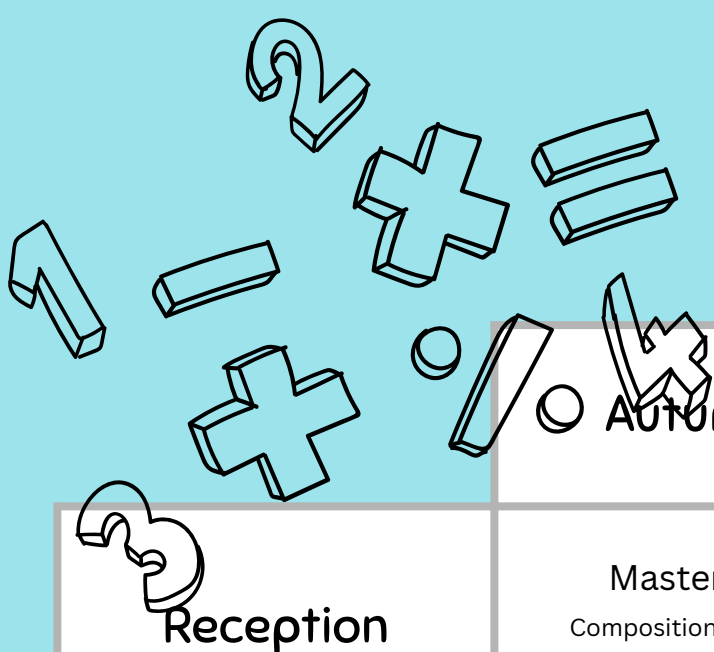
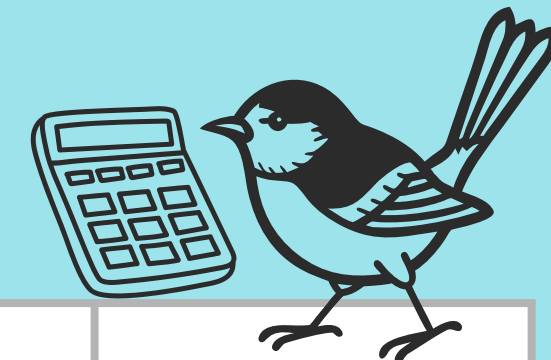


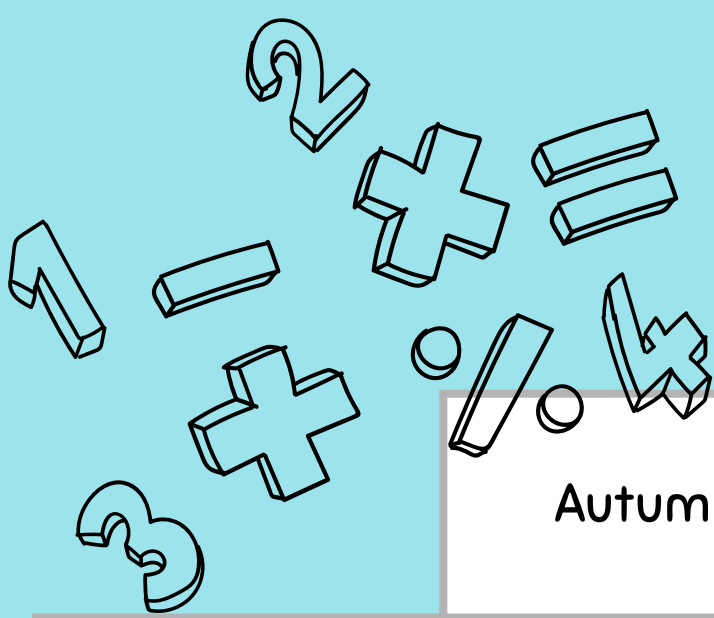


# Maths

at Wren's Nest

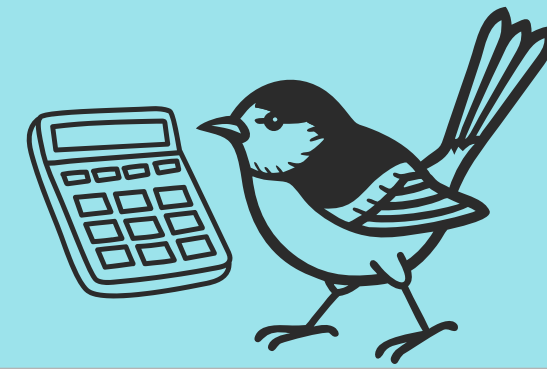


|           | Autumn 1                                                   | Autumn 2                                    | Spring 1                                                          | Spring 2                                      | Summer 1                                               | Summer 2                    |
|-----------|------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------|-----------------------------|
| Reception | Mastery to 5<br>Composition of numbers<br>Counting objects | Mastery to 10<br>Number bonds to 5 and 10   | Addition and subtraction within 5 and 10<br>2D shape<br>More/Less | 3D shape<br>Mastery 10-20<br>Doubling/halving | Doubling/halving<br>Addition and subtraction within 20 | Measure<br>Sharing<br>Money |
| Year 1    | Place Value to 10                                          | Addition and Subtraction to 10              | Place Value to 20 and 50, Addition and Subtraction to 20          | Multiplication and Division                   | Geometry, Measure and Fractions                        | Place Value to 100          |
| Year 2    | Place Value                                                | Addition and Subtraction                    | Multiplication and Division                                       | Measure                                       | Fractions and Statistics                               | Geometry                    |
| Year 3    | Place Value                                                | Addition and Subtraction                    | Multiplication and Division                                       | Multiplication and Division                   | Fractions                                              | Measure and Geometry        |
| Year 4    | Place Value                                                | Addition, Subtraction, Length and Perimeter | Multiplication, Division and Area                                 | Fractions                                     | Decimals                                               | Geometry and Statistics     |
| Year 5    | Place Value                                                | Four Operations                             | Multiplication, Division and Fractions                            | Fractions                                     | Decimals and Percentages                               | Geometry and Measure        |
| Year 6    | Place Value                                                | Four Operations                             | Fractions                                                         | Percentages                                   | Statistics and Algebra                                 | Geometry and Measure        |

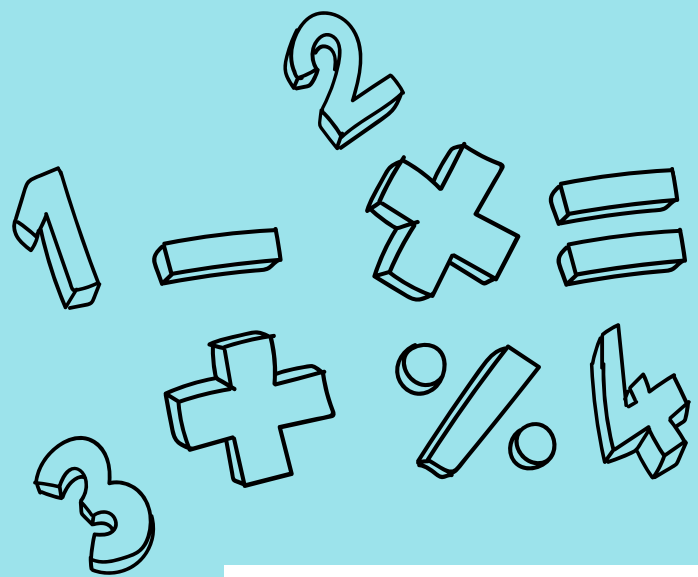


# Maths

at Wren's Nest

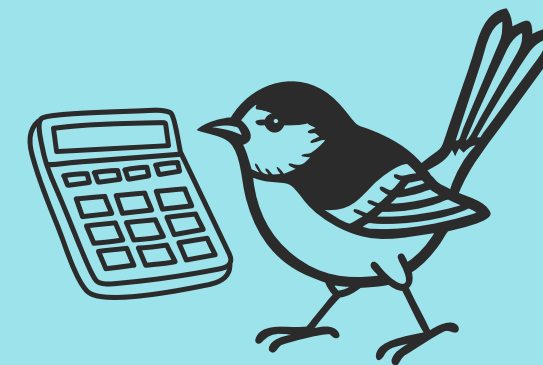


|                                                 | Autumn 1                                            | Autumn 2                                            | Spring 1                                       | Spring 2                           | Summer 1                                     | Summer 2                               |
|-------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------------------------|------------------------------------|----------------------------------------------|----------------------------------------|
| Shooting Stars 1/2                              | Place Value                                         | Addition and subtraction                            | Multiplication and division                    | Fractions                          | Measure and Statistics                       | Geometry                               |
| Shooting Stars 3/4                              | Place Value                                         | Addition and subtraction                            | Multiplication and division                    | Fractions                          | Measure                                      | Geometry                               |
| Little Stars                                    | Place Value<br>More/Less                            | 2D Shape                                            | Addition and subtraction                       | Place Value                        | Doubling/halving<br>Addition and subtraction | Sharing Money                          |
| Nursery<br><small>*New cohort each term</small> | Colour sorting<br>Patterns                          | Numerals 0-5<br>Counting out a set                  | Colour sorting<br>Patterns                     | Numerals 0-5<br>Counting out a set | Colour sorting<br>Patterns                   | Numerals 0-5<br>Counting out a set     |
| PreSchool                                       | Numerals 0-10<br>Counting out a set<br>2D shape     | Numerals 0-10<br>More/less                          | Pattern<br>Measure                             | 2D Shape<br>3D Shape               | Mastery 0-5<br>Sequencing                    | Mastery 0-5<br>Geometry                |
| Twinkle                                         | Spatial awareness<br>Stacking and combining objects | Reacting to a change in amounts in a set of objects | Responding to a set of items being counted out | Finger rhymes with numbers         | Sensory exploration of numbers to 5          | Development of counting-like behaviour |



# Maths

at Wren's Nest

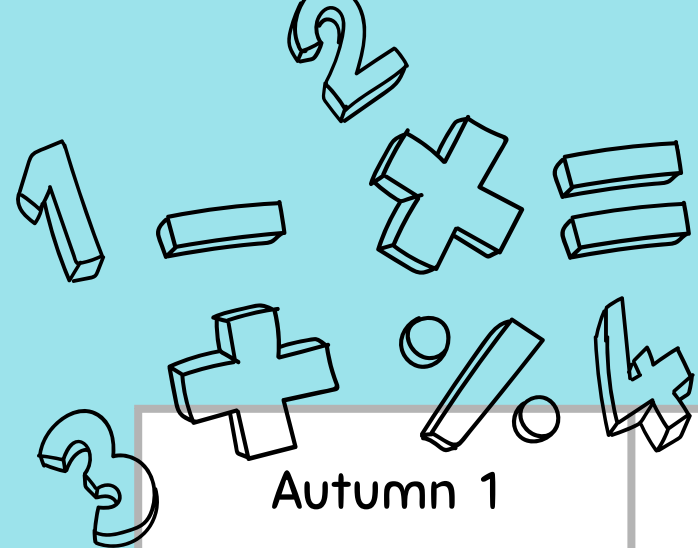


This Maths overview is compiled from White Rose and NCETM Ready to Progress documentation, along with Maths statements from the Development Matters document. It represents the average progression for each year group - each set will adapt the delivery as appropriate for the needs of their learners.

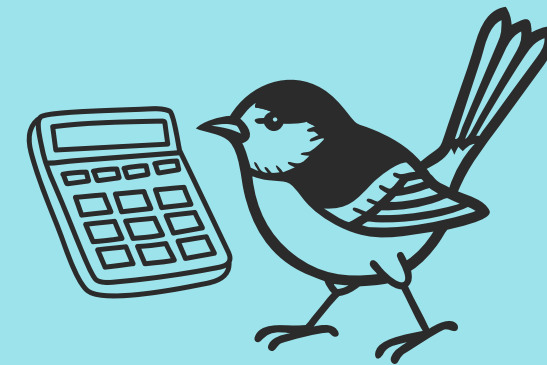
No units on time are included in this planning as that is taught explicitly as part of Life Skills.

No units on Money are included in this planning (outside of EYFS and Little Stars) as that is taught explicitly as part of Economics (Money Monday).

The content in this overview is prioritised to meet the requirements of the NCETM Ready to Progress documentation. Other units that are not included will be taught through Flashbacks, Maths Skills and Early Start activities.



# Maths <sup>YEAR 1</sup> at Wren's Nest



| Autumn 1                                                                                                                                                                                                                                                                       | Autumn 2                                                                                                                                                                                                                                                                               | Spring 1                                                                                                                                                                                                                                                                                                                                            | Spring 2                                                                                                                                                                                                                                                                                 | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                  | Summer 2                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place Value to 10                                                                                                                                                                                                                                                              | Addition and Subtraction to 10                                                                                                                                                                                                                                                         | Place Value to 20 and 50, Addition and Subtraction to 20                                                                                                                                                                                                                                                                                            | Multiplication and Division                                                                                                                                                                                                                                                              | Geometry, Measure and Fractions                                                                                                                                                                                                                                                                                                                                                                           | Place Value to 100                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"> <li>Sort and count objects</li> <li>Recognise numbers as words</li> <li>Count on from any number</li> <li>Count backwards within 10</li> <li>1 more/1 less</li> <li>Fewer, more, same</li> <li>Less than, greater than, equal to</li> </ul> | <ul style="list-style-type: none"> <li>Parts and wholes</li> <li>Write number sentences</li> <li>Number bonds within and to 10</li> <li>Add together/ add more</li> <li>Find parts</li> <li>How many left?</li> <li>Subtraction using a number line</li> <li>Add/subtract 1</li> </ul> | <ul style="list-style-type: none"> <li>Understand numbers to 20 / 50</li> <li>Numberline to 20 / 50</li> <li>Compare and order numbers to 20 / 50</li> <li>Count from 20 to 50</li> <li>Partitioning into tens/ones</li> <li>Add by counting on</li> <li>Number bonds to 20</li> <li>Subtraction - counting back/ finding the difference</li> </ul> | <ul style="list-style-type: none"> <li>Count in 2s</li> <li>Count in 5s</li> <li>Count in 10s</li> <li>Recognise equal groups</li> <li>Add equal groups</li> <li>Make arrays</li> <li>Make doubles</li> <li>Make equal groups - sharing</li> <li>Make equal groups - grouping</li> </ul> | <ul style="list-style-type: none"> <li>Recognise, name and sort 2D and 3D shapes</li> <li>Describe turns</li> <li>Describe position - left/ right/ forward/ backward/ above/ below</li> <li>Measure length using objects and centimetres</li> <li>Measure and compare mass/capacity</li> <li>Recognise and find <math>\frac{1}{4}</math> and <math>\frac{1}{2}</math> of quantities and shapes</li> </ul> | <ul style="list-style-type: none"> <li>Count from 50 to 100</li> <li>Tens to 100</li> <li>Partition into 10s and 1s</li> <li>Number line to 100</li> <li>1 more, 1 less</li> <li>Compare numbers with the same number of tens</li> <li>Compare any two numbers</li> </ul> |





# Maths <sup>YEAR 2</sup> at Wren's Nest



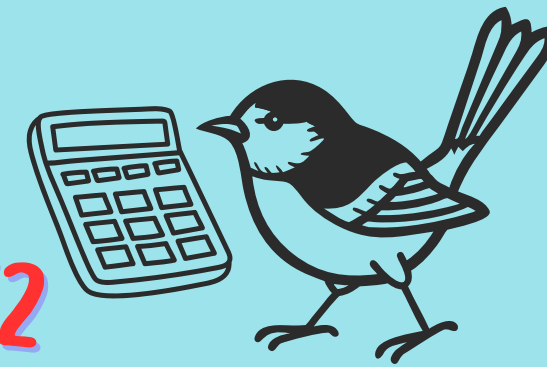
| Autumn 1                                                                                                                                                                                                                                                                                                                                     | Autumn 2                                                                                                                                                                                                                                                                                                                  | Spring 1                                                                                                                                                                                                                                                                                                                                                                                     | Spring 2                                                                                                                                                                                                                                                                                                                                                                            | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Summer 2                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place Value                                                                                                                                                                                                                                                                                                                                  | Addition and Subtraction                                                                                                                                                                                                                                                                                                  | Multiplication and Division                                                                                                                                                                                                                                                                                                                                                                  | Measure                                                                                                                                                                                                                                                                                                                                                                             | Fractions and Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Geometry                                                                                                                                                                                                                                                                                                                                                                 |
| <ul style="list-style-type: none"> <li>Numbers to 20</li> <li>Counting to 100 by making 10s</li> <li>Recognise 10s and 1s</li> <li>Partition numbers to 100</li> <li>Write numbers to 100 in words</li> <li>10s and 1s on the number line to 100</li> <li>Order and compare objects and numbers</li> <li>Count in 2s, 3s, 5s, 10s</li> </ul> | <ul style="list-style-type: none"> <li>Number bonds to 10, 20 and 100</li> <li>Add by making 10</li> <li>Add and subtract 1</li> <li>Add and subtract across 10</li> <li>10 more/ less</li> <li>Add and subtract two 2-digit numbers</li> <li>Mixed addition and subtraction</li> <li>Compare number sentences</li> </ul> | <ul style="list-style-type: none"> <li>Recognise, make and add equal groups</li> <li>Introduce multiplication symbol</li> <li>Use arrays</li> <li>Make equal groups - grouping/ sharing</li> <li>The 2 times table</li> <li>Divide by 2</li> <li>Doubling/ halving</li> <li>Odds/ evens</li> <li>10 times table</li> <li>Divide by 10</li> <li>5 times table</li> <li>Divide by 5</li> </ul> | <ul style="list-style-type: none"> <li>Measure in cm and m</li> <li>Compare and order lengths and heights</li> <li>Use the 4 operations with lengths and heights</li> <li>Compare and measure mass in g and kg</li> <li>Compare and measure volume and capacity in l and ml</li> <li>Use the 4 operations with mass, volume and capacity</li> <li>Temperature in Celsius</li> </ul> | <ul style="list-style-type: none"> <li>Parts and whole</li> <li>Equal and unequal parts</li> <li>Recognise and find a half</li> <li>Recognise and find a quarter</li> <li>Recognise and find a third</li> <li>Find the whole</li> <li>Unit/non-unit fractions</li> <li>Recognise the equivalence of half and two quarters</li> <li>Find three-quarters</li> <li>Count in fractions up to a whole</li> <li>Make and interpret tally charts/ tables/ pictograms</li> </ul> | <ul style="list-style-type: none"> <li>Recognise 2D and 3D shapes</li> <li>Count sides and vertices on 2D shapes</li> <li>Draw 2D shapes</li> <li>Identify and use lines of symmetry</li> <li>Sort 2D shapes</li> <li>Count faces, edges and vertices on 3D shapes</li> <li>Sort 3D shapes</li> <li>Language of position</li> <li>Describe movement and turns</li> </ul> |



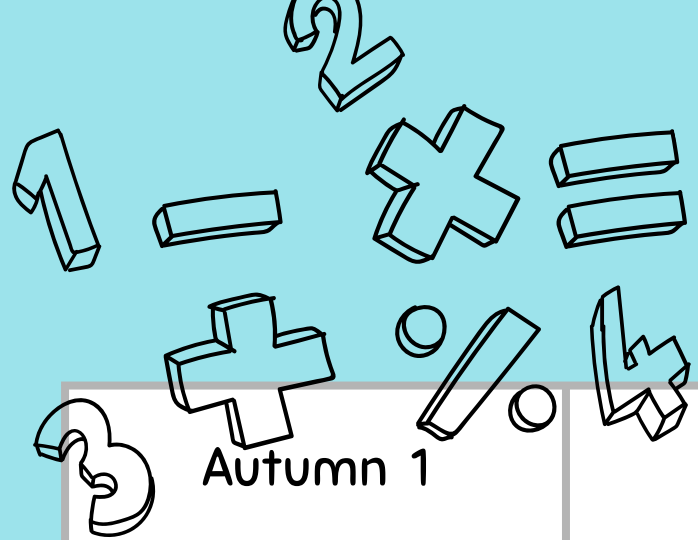
# Maths

## SHOOTING STARS

### at Wren's Nest 1/2



| Autumn 1                                                                                                                                                                                                                                                                                                                                                                                    | Autumn 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Spring 1                                                                                                                                                                                                                                                                                                         | Spring 2                                                                                                                                                                                                                                                                                                                      | Summer 1                                                                                                                                                                                                                                                                                            | Summer 2                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place Value                                                                                                                                                                                                                                                                                                                                                                                 | Addition and subtraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Multiplication and division                                                                                                                                                                                                                                                                                      | Fractions                                                                                                                                                                                                                                                                                                                     | Measure                                                                                                                                                                                                                                                                                             | Geometry                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>Count on and back within 20</li> <li>One more/less</li> <li>Compare and Order numbers to 20</li> <li>Less than, greater than, equal to</li> <li>Number lines to 20</li> <li>Count beyond 20</li> <li>Partition into tens and ones</li> <li>Use a place value chart</li> <li>Partition numbers to 100</li> <li>Estimate using number lines</li> </ul> | <ul style="list-style-type: none"> <li>Parts and wholes</li> <li>Number bonds to and within 10</li> <li>Add together and add more</li> <li>Find a part</li> <li>Fact families - the eight facts</li> <li>Subtraction - take away (how many left?)</li> <li>Related facts</li> <li>Find the difference</li> <li>Add and subtract 1s and 10s</li> <li>Add and subtract to, from and across a 10</li> <li>Missing number problems</li> <li>Add and subtract two 2-digit numbers including across 10</li> <li>Mixed addition and subtraction</li> </ul> | <ul style="list-style-type: none"> <li>Count in 2s, 5s and 10s</li> <li>Odd and even numbers</li> <li>Recognise, make and add equal groups</li> <li>Multiplication sentences</li> <li>Make equal groups</li> <li>Divide by 2s, 5s and 10s</li> <li>Commutativity</li> <li>The 2, 5 and 10 times table</li> </ul> | <ul style="list-style-type: none"> <li>Parts and whole</li> <li>Equal and unequal parts</li> <li>Recognise and find <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{3}</math>.</li> <li>Find the whole</li> <li>Unit and non-unit fractions</li> <li>Equivalence of unit and non-unit fractions</li> </ul> | <ul style="list-style-type: none"> <li>Four operations with lengths and heights</li> <li>Measure lengths in centimetres and metres</li> <li>Compare and order lengths and heights</li> <li>Measure in grams</li> <li>Four operations with mass, volume and capacity</li> <li>Temperature</li> </ul> | <ul style="list-style-type: none"> <li>Recognise and name 2-D and 3-D shapes</li> <li>Sort 2-D and 3-D shapes</li> <li>Patterns with 2-D and 3-D shapes</li> <li>Count sides and vertices on 2-D shapes</li> <li>Count faces, edges and vertices on 3-D shapes</li> <li>Vertical lines of symmetry</li> <li>Describe movement and turns</li> </ul> |



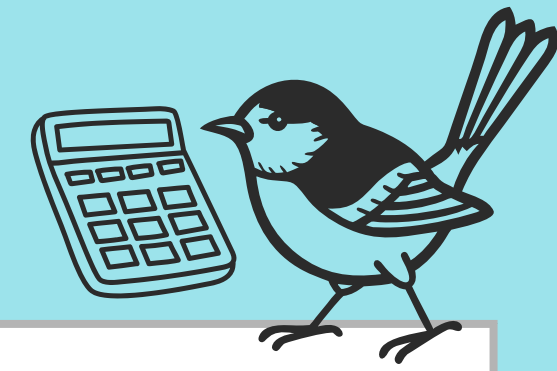
# Maths <sup>YEAR 3</sup> at Wren's Nest



| Autumn 1                                                                                                                                                                                                                                                                                                                      | Autumn 2                                                                                                                                                                                                                                                                                                                                                                                                                                        | Spring 1                                                                                                                                                                                                                                                                               | Spring 2                                                                                                                                                                                                                                                                                                                                                                                             | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                            | Summer 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place Value                                                                                                                                                                                                                                                                                                                   | Addition and Subtraction                                                                                                                                                                                                                                                                                                                                                                                                                        | Multiplication and Division                                                                                                                                                                                                                                                            | Multiplication and Division                                                                                                                                                                                                                                                                                                                                                                          | Fractions                                                                                                                                                                                                                                                                                                                                                                                                           | Measure and Geometry                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• Represent and partition numbers to 1000</li> <li>• Flexible partitioning of numbers to 1000</li> <li>• Hundreds, tens and ones</li> <li>• Find 1, 10 or 100 more/less</li> <li>• Number line to 1000</li> <li>• Compare and order numbers to 1000</li> <li>• Count in 50s</li> </ul> | <ul style="list-style-type: none"> <li>• Apply number bonds within 10</li> <li>• Add/subtract 1s/ 10s/ 100s</li> <li>• Add/subtract 1s across 10/ 10s across 100</li> <li>• Add/subtract two numbers without an exchange</li> <li>• Add/subtract two numbers across 10s and 100s</li> <li>• Add 3-digit numbers</li> <li>• Subtract a 2-digit number from a 3-digit number</li> <li>• Estimate answers</li> <li>• Inverse operations</li> </ul> | <ul style="list-style-type: none"> <li>• Multiplication - equal groups</li> <li>• Use arrays</li> <li>• Multiples of 2, 5 and 10</li> <li>• Sharing and grouping</li> <li>• Multiply/divide by 3, 4, 8</li> <li>• The 2, 4 and 8 times tables</li> <li>• The 11 times table</li> </ul> | <ul style="list-style-type: none"> <li>• Multiples of 10</li> <li>• Related calculations</li> <li>• Reasoning about multiplication</li> <li>• Multiply a 2-digit number x 1-digit number with/without exchanges</li> <li>• Link multiplication and division</li> <li>• Divide a 2-digit number by 1-digit number - no exchange/ flexible partitioning/ with remainders</li> <li>• Scaling</li> </ul> | <ul style="list-style-type: none"> <li>• Compare and order unit fractions</li> <li>• Compare and order non-unit fractions</li> <li>• Fractions and scales</li> <li>• Fractions on a number line</li> <li>• Equivalent fractions - number lines/ bar models</li> <li>• Add fractions</li> <li>• Subtract fractions</li> <li>• Partition the whole</li> <li>• Unit/ non-unit fractions of a set of objects</li> </ul> | <ul style="list-style-type: none"> <li>• Measure in m, cm, mm</li> <li>• Compare and add/subtract lengths</li> <li>• Measure and calculate perimeter</li> <li>• Measure mass in g, kg</li> <li>• Compare and add/subtract mass</li> <li>• Measure capacity and volume in ml, l</li> <li>• Compare and add/subtract capacity and volume</li> <li>• Right angles</li> <li>• Compare angles</li> <li>• Horizontal/ vertical</li> <li>• Parallel/ perpendicular</li> <li>• Draw polygons</li> </ul> |



# Maths <sup>YEAR 4</sup> at Wren's Nest



| Autumn 1                                                                                                                                                                                                                                                                                                                                           | Autumn 2                                                                                                                                                                                                                                                                                                                                     | Spring 1                                                                                                                                                                                                                                                                                                                                                                                                                          | Spring 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                   | Summer 2                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place Value                                                                                                                                                                                                                                                                                                                                        | Addition, Subtraction, Length and Perimeter                                                                                                                                                                                                                                                                                                  | Multiplication, Division and Area                                                                                                                                                                                                                                                                                                                                                                                                 | Fractions                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Decimals                                                                                                                                                                                                                                                                                                                                                                                                   | Geometry and Statistics                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>• Represent and partition numbers to 1000</li> <li>• Represent and partition numbers to 10,000</li> <li>• Find 1,10,100,100 0 more/less</li> <li>• Compare and order numbers to 10,000</li> <li>• Number lines to 10,000</li> <li>• Round to the nearest 10/ 100/ 1000</li> <li>• Roman numerals</li> </ul> | <ul style="list-style-type: none"> <li>• Add/ subtract 1s, 10s, 100s, 1000s</li> <li>• Add/subtract two 4-digit numbers with/ without exchanges</li> <li>• Efficient subtractions/ checking strategies</li> <li>• Perimeter - on a grid/ rectangle/ rectilinear shapes/ polygons</li> <li>• Missing lengths of rectilinear shapes</li> </ul> | <ul style="list-style-type: none"> <li>• Multiply and divide by 6, 7 and 9</li> <li>• The 6, 7, 9, 11 and 12 times tables</li> <li>• Multiply by 1 and 0</li> <li>• Divide a number by 1 and itself</li> <li>• Multiply 3 numbers</li> <li>• Multiply and divide by 10/ 100</li> <li>• Multiply and divide 2 and 3-digit numbers by 1-digit numbers</li> <li>• Find areas by counting squares</li> <li>• Compare areas</li> </ul> | <ul style="list-style-type: none"> <li>• Understand the whole</li> <li>• Count beyond 1</li> <li>• Compare and order mixed numbers</li> <li>• Convert between mixed numbers and improper fractions</li> <li>• Equivalent fractions families and on a number line</li> <li>• Add two or more vulgar fractions and mixed numbers with the same denominator</li> <li>• Subtract two fractions/ vulgar fractions from wholes and mixed numbers with the same denominator</li> </ul> | <ul style="list-style-type: none"> <li>• Tenths/ hundredths as fractions and decimals</li> <li>• Tenths/ hundredths on a number line and PV chart</li> <li>• Divide 1 and 2-digit numbers by 10 and 100</li> <li>• Make a whole with tenths/ hundredths</li> <li>• Partition, compare and order decimals</li> <li>• Round decimals to the nearest whole number</li> <li>• ½s and ¼s as decimals</li> </ul> | <ul style="list-style-type: none"> <li>• Identify, compare and order acute, obtuse and right angles</li> <li>• Polygons, including triangles and quadrilaterals</li> <li>• Lines of symmetry</li> <li>• Describe position and plot using coordinates</li> <li>• Draw shapes on a 2D grid</li> <li>• Translate on a grid</li> <li>• Interpret and answer problems from charts</li> <li>• Interpret and draw line graphs</li> </ul> |

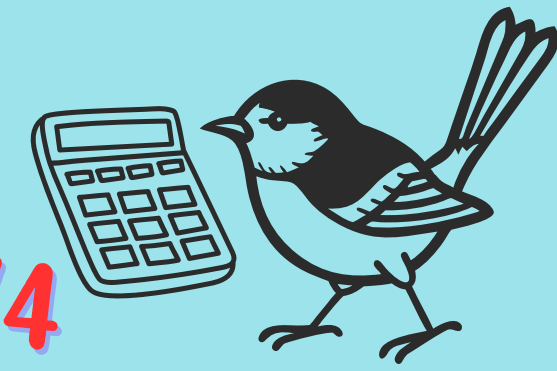




# Maths

## SHOOTING STARS

at Wren's Nest 3/4



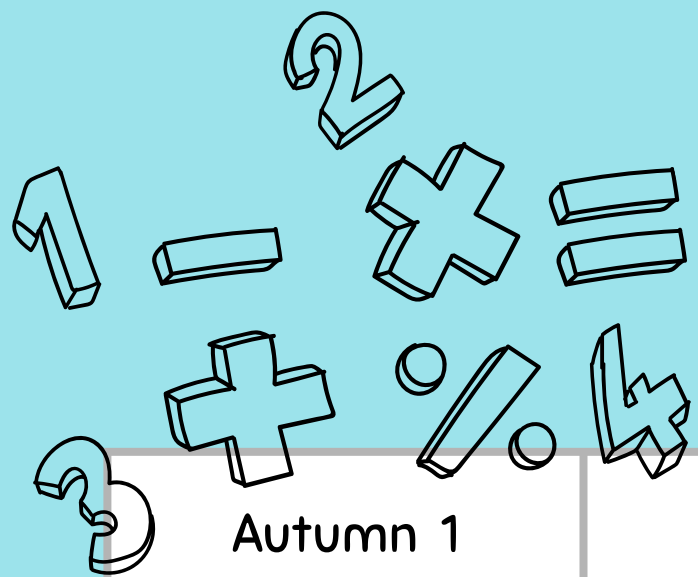
| Autumn 1                                                                                                                                                                                                                                                                                                                                                                                          | Autumn 2                                                                                                                                                                                                                                                                                                                    | Spring 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Spring 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                                       | Summer 2                                                                                                                                                                                                                                                                                                                                        |
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| Place Value                                                                                                                                                                                                                                                                                                                                                                                       | Addition and subtraction                                                                                                                                                                                                                                                                                                    | Multiplication and division                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Fractions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Measure                                                                                                                                                                                                                                                                                                                                                                                                                        | Geometry                                                                                                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"> <li>Hundreds, tens and ones</li> <li>Represent, partition compare and order numbers to 1000</li> <li>Find 1, 10, 100, 1000 more/less</li> <li>Number lines to 1000 and 10,000</li> <li>Thousands</li> <li>Represent, partition compare and order numbers to 10,000</li> <li>Round to the nearest 10/100/ 1000/10,000</li> <li>Flexible partitioning</li> </ul> | <ul style="list-style-type: none"> <li>Add/subtract 1s, 10s, 100s, 1000s across a boundary</li> <li>Add/subtract two 4-digit numbers across a 10/100</li> <li>Add/subtract numbers with a different number of digits</li> <li>Complements to 100 and 1000</li> <li>Efficient methods</li> <li>Inverse operations</li> </ul> | <ul style="list-style-type: none"> <li>The 2,5 and 10 times tables</li> <li>Sharing and grouping</li> <li>The 4 and 8 times tables</li> <li>Related calculations - multiplication and division</li> <li>Factor pairs</li> <li>Divide up to a 3-digit number by a 1-digit number with and without exchanges and remainders</li> <li>Multiply and divide by 10 and 100</li> <li>Scaling</li> <li>The 6, 7, 11 and 12 times tables</li> <li>Efficient multiplication</li> </ul> | <ul style="list-style-type: none"> <li>Compare and order unit and non-unit fractions</li> <li>Understand numerators, denominators and the whole</li> <li>Fractions on a number line</li> <li>Equivalent fractions</li> <li>Add and subtract fractions and mixed numbers</li> <li>Unit fractions of a set of objects</li> <li>Count beyond 1</li> <li>Compare and order mixed numbers</li> <li>Understand improper fractions</li> <li>Convert between mixed numbers and improper fractions</li> </ul> | <ul style="list-style-type: none"> <li>Measure mass in g and kg</li> <li>Measure capacity and volume in ml and l</li> <li>Perimeter on a grid</li> <li>Calculate perimeter</li> <li>Perimeter of rectilinear shapes</li> <li>Perimeter of polygons</li> <li>Count squares and compare areas</li> <li>Measure in mm, cm, m, km</li> <li>Add and subtract lengths</li> <li>Add and subtract mass, capacity and volume</li> </ul> | <ul style="list-style-type: none"> <li>Turns and angles</li> <li>Identify angles</li> <li>Types of lines</li> <li>Polygons</li> <li>Draw polygons</li> <li>Symmetry</li> <li>Describe position using coordinates</li> <li>Plot coordinates</li> <li>Draw 2-D shapes on a grid</li> <li>Translate and describe translations on a grid</li> </ul> |



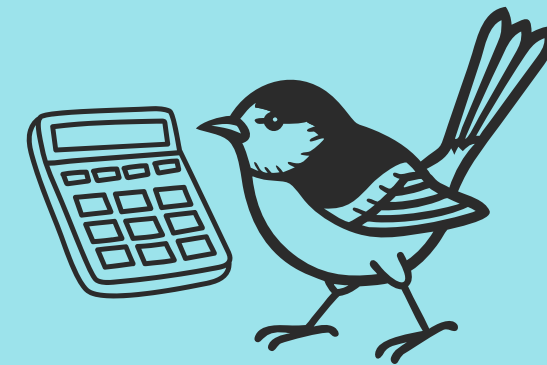
# Maths **YEAR 5** at Wren's Nest



| Autumn 1                                                                                                                                                                                                                                                                                         | Autumn 2                                                                                                                                                                                                                                                                                                                                                                                                            | Spring 1                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Spring 2                                                                                                                                                                                                                                                                                                                                                      | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                   | Summer 2                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Place Value                                                                                                                                                                                                                                                                                      | Four Operations                                                                                                                                                                                                                                                                                                                                                                                                     | Multiplication, Division and Fractions                                                                                                                                                                                                                                                                                                                                                                                                                     | Fractions                                                                                                                                                                                                                                                                                                                                                     | Decimals and Percentages                                                                                                                                                                                                                                                                                                                                                                                   | Geometry and Measure                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>• Read, write, partition, compare and order numbers to 1,000,000</li><li>• 10/ 100/ 1000/ 10,000/ 100,000 more or less</li><li>• Round to the nearest 10, 100 or 1000 within 1,000,000</li><li>• Number line to 1,000,000</li><li>• Powers of 10</li></ul> | <ul style="list-style-type: none"><li>• Add and subtract whole numbers with more than 4-digits</li><li>• Round to check answers</li><li>• Multi-step problems</li><li>• Inverse operations</li><li>• Find missing numbers</li><li>• Common multiples and common factors</li><li>• Prime, square and cube numbers</li><li>• Multiply and divide by 10, 100, 1000</li><li>• Add and subtract decimal values</li></ul> | <ul style="list-style-type: none"><li>• Multiply 2,3 and 4-digit numbers by a 2-digit number</li><li>• Short 'bus-stop' division</li><li>• Divide 4-digit numbers by 1-digit numbers with and without remainders</li><li>• Solve problems with multiplication and division</li><li>• Recognise and find equivalent fractions</li><li>• Convert between improper fractions and mixed numbers</li><li>• Compare and order fractions greater than 1</li></ul> | <ul style="list-style-type: none"><li>• Add fractions within 1</li><li>• Add fractions totalling over 1</li><li>• Add using mixed numbers</li><li>• Subtract fractions including mixed numbers</li><li>• Multiply fractions (including mixed numbers) by an integer</li><li>• Calculate fractions of an amount</li><li>• Use fractions as operators</li></ul> | <ul style="list-style-type: none"><li>• Equivalent fractions and decimals</li><li>• Thousandths as fractions and decimals</li><li>• Thousandths on a PV chart</li><li>• Order and compare decimals to 3 decimal places</li><li>• Round to one decimal place</li><li>• Percentages as fractions and decimals</li><li>• Equivalent fractions, decimals and percentages</li><li>• Decimal sequences</li></ul> | <ul style="list-style-type: none"><li>• Estimate, classify and measure angles to 180degrees</li><li>• Calculate angles around a point and on a straight line</li><li>• Regular and irregular polygons</li><li>• Names and properties of 3D shapes</li><li>• Translation and problem solving with coordinates</li><li>• Reflection in horizontal and vertical lines</li><li>• Convert between units: imperial/metric, km/m/cm/mm. l/ml</li></ul> |



# Maths <sup>YEAR 6</sup> at Wren's Nest



| Autumn 1                                                                                                                                                                                                                                                                                                             | Autumn 2                                                                                                                                                                                                                                                                                                                                                                                        | Spring 1                                                                                                                                                                                                                                                                                                                                                                         | Spring 2                                                                                                                                                                                                                                                                                                      | Summer 1                                                                                                                                                                                                                                                                                                                                                                                                    | Summer 2                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Place Value                                                                                                                                                                                                                                                                                                          | Four Operations                                                                                                                                                                                                                                                                                                                                                                                 | Fractions                                                                                                                                                                                                                                                                                                                                                                        | Percentages                                                                                                                                                                                                                                                                                                   | Statistics and Algebra                                                                                                                                                                                                                                                                                                                                                                                      | Geometry and Measure                                                                                                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>Numbers to 1,000,000</li> <li>Numbers to 10,000,000</li> <li>Read and write numbers to 10,000,000</li> <li>Number line to 10,000,000</li> <li>Compare, order and round ANY integer</li> <li>Negative numbers</li> <li>Powers of ten</li> <li>Rules of divisibility</li> </ul> | <ul style="list-style-type: none"> <li>Add and subtract integers</li> <li>Common factors and multiples</li> <li>Primes to 100, squares, cubes</li> <li>Long multiplication up to 4-digit x 2-digit numbers</li> <li>Long division with and without remainders</li> <li>Order of operations</li> <li>Multi-step, mixed operation problems</li> <li>Mental calculations and estimation</li> </ul> | <ul style="list-style-type: none"> <li>Equivalent fractions and simplifying</li> <li>Compare and order any fractions</li> <li>Add and subtract any two fractions (including mixed numbers)</li> <li>Multi-step problems</li> <li>Multiply and divide fractions by both integers and fractions</li> <li>Fractions of amounts</li> <li>Fraction and decimal equivalents</li> </ul> | <ul style="list-style-type: none"> <li>Understand percentages</li> <li>Convert between fractions, decimals and percentages</li> <li>Order fractions, decimals and percentages</li> <li>Find percentages of amounts in one or multiple steps</li> <li>Find the whole number from a given percentage</li> </ul> | <ul style="list-style-type: none"> <li>Read and interpret line graphs and dual bar charts</li> <li>Read and interpret pie charts including pie charts with percentages</li> <li>Draw pie charts</li> <li>Calculate using the mean</li> <li>1 and 2-step function machines</li> <li>Form expressions and formulae</li> <li>Solve 1 and 2-step equations</li> <li>Solve problems with two unknowns</li> </ul> | <ul style="list-style-type: none"> <li>Angles in polygons, including triangles and quadrilaterals</li> <li>Measure and classify angles</li> <li>Opposite angles</li> <li>Circles - radius, diameter and circumference</li> <li>Nets of 3D shapes</li> <li>Solve problems with coordinates</li> <li>Translations and reflections</li> <li>Areas of triangles and parallelograms</li> <li>Volume of a cuboid</li> </ul> |