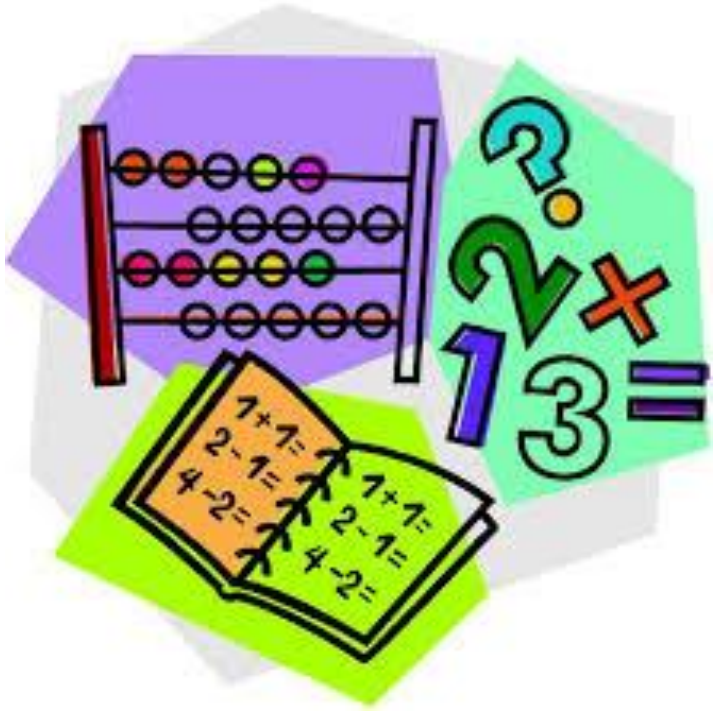
# Northgate Primary School
# Mathematics Curriculum



# Mathematics Overview

| | Autumn Term | | Spring Term | | Summer Term | |
|---|---|---|---|---|---|---|
| | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **Nursery** | Counting patterns<br><br>Representing numbers<br><br>Shape<br><br>Measurement<br><br>Sequencing<br><br>Comparison | | | | | |
| **Reception** | Cardinality<br><br>Counting | Comparison in different contexts | Composition of numbers within 10 | Numerical patterns | Shape | Measurement<br><br>Repeating patterns |
| **Year 1** | Comparison of quantities and part-whole relationships<br><br>Numbers 0-5 | Numbers 0-10<br><br>Recognise, compose, decompose and manipulate 2D and 3D shapes | Addition and subtraction facts within 10 | Unitising and coin recognition<br><br>Position and Direction | Numbers 0-20<br><br>Counting to 100<br><br>Length and Height | Time<br><br>Fractions |
| **Year 2** | Numbers 10-100<br><br>Calculations within 20 | Introduction to multiplication | Addition and subtraction of 2-digit numbers (1)<br><br>Introduction to division structures | Addition and subtraction of 2-digit numbers (2)<br><br>Fractions | Shape<br><br>Money | Time<br><br>Position and Direction<br><br>Sense of measure - capacity, volume, mass |

| | Autumn Term | | Spring Term | | Summer Term | |
|---|---|---|---|---|---|---|
| | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **Year 3** | Numbers to 1,000 | 2, 3, 4 and 8 times tables<br><br>Manipulating the additive relationship and securing mental calculation | Column addition<br><br>Column subtraction | Short multiplication and short division<br><br>Unit fractions | Non-unit fractions<br><br>Right angles | Parallel and perpendicular sides in polygons<br><br>Time<br><br>Money |
| **Year 4** | Numbers to 10,000<br><br>Addition and Subtraction<br><br>Understanding and manipulating multiplicative relationships | Understanding and manipulating multiplicative relationships<br><br>Multiplication | Division with remainders<br><br>Fractions | Decimals<br><br>Statistics (Year 3) | Statistics (Year 4)<br><br>Perimeter and Area<br><br>Angles | Properties of shape<br><br>Symmetry in 2D shapes<br><br>Coordinates<br><br>Time |
| **Year 5** | Multiples of 1,000<br><br>Negative numbers<br><br>Addition and Subtraction | Factors, multiples and primes<br><br>Multiplication and Division | Calculating with decimal fractions<br><br>Fractions | Fractions<br><br>Decimals and Percentages | Area and Scaling | Properties of shape<br><br>Converting units<br><br>Position and Direction |
| **Year 6** | Numbers to 10,000,000<br><br>Order of Operations | Multiplication and Division<br><br>Fractions and Percentages | Decimals | Ratio and Proportion<br><br>Solving problems with two unknowns | Statistics<br><br>SATS Revision<br><br>Shape | Shape<br><br>Area, Perimeter, Position and Direction<br><br>Preparation for KS3 |