



Banks Road

Mathematics Long Term Plan

Year Group	Number	Calculation	Fractions, Decimals & Percentages	Measurement	Geometry	Statistics, Algebra & Ratio
Nursery	Recognise and compare small quantities. Hear, use and begin ordering number names. Develop subitising to 5.	Explore combining, separating, taking and giving through practical play.	Begin sharing and grouping through exploration.	Compare size, weight, capacity and position. Explore shape and measure through play.	Explore shapes, space, position, routes and patterns.	Sort, match and compare collections. Create and continue patterns.
Reception	Count, recognise, compare and represent numbers to 20 and beyond. Develop secure understanding of number composition.	Explore addition and subtraction through practical experiences. Begin recalling number bonds within 10.	Explore sharing and grouping equally.	Compare length, height, mass, capacity and time.	Identify, describe and manipulate 2D and 3D shapes. Build, map and explore spatial reasoning.	Identify patterns, make connections and explain mathematical relationships.

Year 1	Understand place value within 10, 20, 50 and 100. Count forwards and backwards. Compare and order numbers.	Add and subtract within 10 and 20. Introduce multiplication and division through grouping and sharing.	Recognise and find halves and quarters.	Measure length, height, mass, volume, money and time.	Recognise and describe common 2D and 3D shapes. Describe position and direction.	Begin solving simple problems and explaining mathematical thinking.
Year 2	Secure understanding of place value and number relationships to 100.	Develop efficient methods for addition, subtraction, multiplication and division. Recall multiplication facts.	Recognise, find, name and write fractions including thirds.	Use money, measure length, height, mass, capacity, temperature and time.	Identify properties of 2D and 3D shapes and describe movement and position.	Interpret simple data and construct pictograms, tally charts and block diagrams.
Year 3	Understand place value in numbers up to 1,000.	Develop written methods for addition and subtraction. Secure multiplication and division facts for 3, 4 and 8 times tables.	Understand and compare unit and non-unit fractions. Begin equivalent fractions.	Measure length, perimeter, mass, capacity, money and time.	Draw and identify common 2D and 3D shapes and their properties.	Present and interpret data using bar charts and pictograms.

Year 4	Understand place value in numbers up to 10,000.	Develop fluency in formal written methods. Secure multiplication facts to 12×12 .	Recognise, compare and calculate with fractions. Introduce decimal numbers.	Measure area, perimeter, money and time.	Compare and classify shapes. Describe position and movement.	Interpret charts, tables and line graphs.
Year 5	Understand place value to 1,000,000. Read, write, compare and round numbers. Include negative numbers.	Apply formal written methods confidently in all four operations.	Compare, order and calculate with fractions, decimals and percentages.	Measure perimeter, area, volume and convert between units.	Identify properties of shapes and use coordinates and directional language.	Interpret data and solve statistical problems.
Year 6	Understand and apply place value with numbers up to 10,000,000.	Solve complex multi-step problems involving all four operations.	Calculate with fractions, decimals and percentages and make connections between them.	Calculate area, perimeter, volume and convert units accurately.	Describe, classify and reason about shape, position and direction.	Interpret statistics, solve ratio problems and use algebra to represent relationships.