Maths Curriculum Overview

Our curriculum is broad and balanced, promoting maths as a creative subject, with reasoning and problem-solving at its heart. Our lessons are planned to meet the aims and objectives of the National Curriculum and structured around the White Rose models for our long-term planning:

High-quality mathematics education provides a foundation for understanding the world, the ability to reason mathematically, and a sense of enjoyment and curiosity about Maths. Pupils are encouraged to make rich connections across mathematical ideas to develop fluency, reasoning and competence in solving increasingly sophisticated problems. They are given opportunities to apply their mathematical knowledge across the curriculum.

Using a mastery approach, we expect most pupils to move through the programmes of study at broadly the same pace. Pupils who grasp concepts rapidly should be challenged through being offered rich and sophisticated problems before any acceleration through new content.

Maths	1	Number, Place value, Addition and Subtraction Mental calculations	Place value, addition & subtraction, 2shape, 3D shape, Geometry: position, direction	Place value, addition & subtraction, time, 2D shape, 3D shape,	Place value, 2D, shape, 3D measure: length & height	Addition & subtraction Multiplication, division,	Fraction, potion and direction, measure: money, weight and volume.
	2	Number, place value, addition and subtraction	Addition and subtraction , measure: length and mass, graphs, multiplication & division	Measurement: money Geometry: 2D &3D shapes, Arithmetic	fractions, position, direction,	Measure: time, capacity, volume and temperature	Time, multiplication, division, statistics measurement, sorting
	3	Place value, addition and subtraction, mental calculations	Addition and subtraction, ,multiplication and division measurement: Area & length	Place value, multiplication and division, measure time, mental calculations **Northolt Bus timetables**	Measure: time, number fractions **Northolt Bus timetables**	Fraction geometry: 2D Shape, sorting, 3D shape	geometry: 2D Shape, sorting, 3D shape, measurement: length, mass and volume and statistics
	4	Place value, addition and subtraction, mental calculations **Negative numbers: weather**	Addition and subtraction, multiplication and division measurement: Area & length	Place value, multiplication and division (formal method), measure time, mental calculations, fractions	Measure: time, number	Fraction geometry: 2D Shape, sorting, 3D shape	geometry: 2D Shape, sorting, 3D shape, measurement: length, mass and volume and statistics
	5	Place value, decimals, roman numerals, written addition, written subtraction, problems, addition, subtraction,	Mental multiplication, mental division, factors, multiples, division, problems, statistics,	Fractions, mental arithmetic	Decimal(4 operations) , percentages, problems, time	Geometry: angles , 2D shape and 3 D shape, nets	Position and direction, measures: converting units, prime numbers, areas , perimeter, volume.
	6	Place value, decimals, written addition, written subtraction, formal multiplication and division, square and power numbers	Mental multiplication, mental division, factors, Indices, prime numbers, multiples, fractions, decimal and percentages , compare, order, equivalence,	Place value, roman numerals, counting, negative numbers, fraction decimal and percentages, measures, length, mass. Capacity, time **Local community link: Statistics- Northolt population**	Mental division, written division, 2D shapes, 3D shapes, sorting, area, volume, statistics, measures, angles	Place value, fractions, measures, times, statistics, geometry, addition, subtraction, multiplication, division	Place value, written calculations, fractions, measures, mass, volume, capacity, area, volume