



Year 6 Maths Overview 2026 – 2027

Rationale

This overview is designed to run alongside the NC Mathematics programmes of study and White Rose Schemes of Learning (Version 3.0). Due to differing term lengths, these overviews do not directly match those on White Rose. For instance, some units are started earlier in the term or the term before, but they all correlate with the schemes of learning. The allocated time for each block is for guidance only but should allow for extra time in most cases for specific objectives to be covered in more depth if required. There should also be time following the assessment weeks to complete blocks of work if necessary or to consolidate learning. Avoid rushing through the steps and moving on too quickly if you feel more time should be spent on certain concepts, particularly for those areas linked to the ready to progress criteria that have been identified as the most important conceptual knowledge and understanding that pupils need as they progress from year 1 to year 6. The steps that are linked to the DfE ready to progress criteria are identified with a reference such as (NPV-1); teachers can use these to refer to the document for additional planning support.

The small steps within White Rose are not necessarily designed to cover one lesson so some may be repeated in order to consolidate concepts or allow children greater access to reasoning and problem solving. This is particularly evident in the Y1 schemes. Some steps might also be combined or even omitted from main teaching lessons if they can be easily covered and secured through fluency starters. Teachers should use their professional judgement and knowledge of their current cohort to make these decisions.

Small steps that are covered in Numicon Essentials are highlighted in blue (Y1-6 only). These lessons are designed to help primary school children master mathematics through structured talk and hands-on learning. They sometimes combine some of the small steps into one and some of these lessons are designed as pre-teach, introduction, intervention, replacement or to deepen understanding of the White Rose small steps so check the guidance carefully.

The identified assessment weeks are in line with whole school assessment dates. However, these can be adapted to allow for opportunities for practice SATs if and when required.

DEAN BANK PRIMARY AND NURSERY SCHOOL

Year 6 – Yearly Overview – Autumn 2026

	Week 1 – 2 (Block 1: 2 weeks)	Week 3 – 7 (Block 2: 5 weeks)	Week 8 – 9 (Block 3: 2 weeks)	Week 10 – 11 (Block 4: 2 weeks)	Week 12 to end of term (Block 3 Spring: 2 weeks)	Week 13 and 14
	Number: Place Value	Number: Four operations	Number: Fractions A	Number: Fractions B	Number: Decimals	Assessment and consolidation
White Rose Maths Small Steps	Numbers to a million Numbers to 10 million Read and write numbers to 10 million Powers of 10 Number line to 10 million Compare and order any integers Round any integers Negative numbers ASSESSMENT	Add and subtract integers Common factors Common multiples Rules of divisibility Primes to 100 Square and cube numbers Multiply up to 4-digit by 2-digit number Solve problems with multiplication Short division Division using factors Introduction to long division Long division with remainders Solve problems with division Solve multi-step problems Order of operations Mental calculations and estimation Reasoning from known facts ASSESSMENT	Equivalent fractions and simplifying Equivalent fractions on a number line Compare & order (denominator) Compare & order (numerator) Add & subtract simple fractions Add & subtract any two Fractions Add mixed numbers Subtract mixed numbers Multi-step problems ASSESSMENT	Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Divide any fraction by an integer Mixed questions with fractions Fraction of an amount Fraction of an amount – find the whole ASSESSMENT	Place value within 1 Place value – integers and decimals Round decimals Add and subtract decimals Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in context ASSESSMENT Aim to complete this unit by the end of term.	* Arithmetic and Reasoning assessment * KIRF checks
DfE guidance (Ready to Progress criteria)	6NPV-2 - Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and nonstandard partitioning. 6NPV-3 - Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts.	6AS/MD-1 - Understand that 2 numbers can be related additively or multiplicatively, and quantify additive and multiplicative relationships (multiplicative relationships restricted to multiplication by a whole number). 6AS/MD-2 - Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding.	6F-1 - Recognise when fractions can be simplified, and use common factors to simplify fractions. 6F-2 - Express fractions in a common denomination and use this to compare fractions that are similar in value. 6F-3 - Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denomination as a comparison strategy.			

DEAN BANK PRIMARY AND NURSERY SCHOOL

Year 6 – Yearly Overview – Spring 2027

	Week 1 – 2 (Block 4 Spring: 2 weeks)	Week 3 – 4 (Block 1 Spring: 2 weeks)	Week 5 – 6 (Block 2 Spring: 2 weeks)	Week 7 (Block 5 Autumn: 1 week)	Week 8 – 9 (Block 5 Spring: 2 weeks)	Week 10	Week 11 (Block 6 Spring: 1 week)
	Number: F, D and P	Number: Ratio	Number: Algebra	Measurement: Converting units	Measurement: Area, perimeter and volume	Assessment	Statistics
White Rose Maths Small Steps	Decimal and fraction equivalents Fraction as division Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Order fractions, decimals and percentages Percentage of an amount – one step Percentage of an amount – multi-step Percentages – missing values ASSESSMENT	Additive or multiplicative relationships Using ratio language Introduction to ratio symbol Ratio and fractions Simplifying ratios (additional support lesson) Scale drawing Using scale factors Similar shapes Ratio problems Proportion problems Recipes ASSESSMENT	1-step function machines 2-step function machines Form expressions Substitution Formulae Form equations Solve 1-step equations Solve 2-step equations Find pairs of values Solve problems with 2 unknowns ASSESSMENT	Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures ASSESSMENT	Shapes – same area Area and perimeter Area of a triangle – counting squares Area of a right-angled triangle Area of any triangle Area of a parallelogram Volume – counting cubes Volume of a cuboid ASSESSMENT	* Arithmetic and reasoning assessment * KIRF checks	Line graphs Dual bar charts Read and interpret pie charts Pie charts with percentages Draw pie charts The mean ASSESSMENT
DfE guidance (Ready to Progress criteria)	6NPV-1 - Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000). 6NPV-2 - Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and non-standard partitioning.	6AS/MD-3 - Solve problems involving ratio relationships.	6AS/MD-4 - Solve problems with 2 unknowns.		6G-1 - Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems.		6NPV-4 - Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts.

DEAN BANK PRIMARY AND NURSERY SCHOOL

Year 6 – Yearly Overview - Summer 2027

DEAN BANK PRIMARY AND NURSERY SCHOOL Year 6 – Yearly Overview - Summer 2027				
Week 1 – 3 (Block 1: 3 weeks)		Week 4 (Block 2: 1 week)	Week 5 (1 week)	Week 6 - 13 (7 weeks)
Geometry: Shape		Geometry: Position and direction	SATs Week	Themed projects, consolidation and problem solving
White Rose Maths Small Steps	Measure and classify angles Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle – special cases Angles in a triangle – missing angles Angles in quadrilaterals Angles in polygons Circles Draw shapes accurately Nets of 3-D shape ASSESSMENT	Coordinates in the first quadrant Coordinates in four quadrants Solve problems with coordinates Translations Reflections ASSESSMENT	Revision and assessments	Review and consolidate topics as required. Investigations/problem-solving Preparation for KS3
	6G-1 - Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems.	6NPV-1 - Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000). 6NPV-4 - Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts.		
DfE guidance (Ready to Progress criteria)				