



St James & St John Church of England Primary School

Weekly Progression Year 6 2025-2026 Maths

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	<p>NC: Number –place value Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit. Round any whole number to a required degree of accuracy. Use negative numbers in context, and calculate intervals across zero. Solve number and practical problems that involve all of the above.</p> <p>Addition, Subtraction, Multiplication & Division Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit. Round any whole number to a required degree of accuracy. Use negative numbers in context, and calculate intervals across zero. Solve number and practical problems that involve all of the above. Solve problems involving addition, subtraction, multiplication and division. Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p>						
	<p>Place value Numbers to 1,000,000 Numbers to 10,000,000 Read & write numbers to 10,000,000 Powers of 10</p>	<p>Place value Number line to 10,000,000 Compare & order any integers Round any integer Negative numbers</p>	<p>Addition, subtraction, multiplication & division Add & subtract integers Common factors Common multiples Rules of divisibility</p>	<p>Addition, subtraction, multiplication & division Primes to 100 Square & cube numbers Multiply up to a 40-digit number by a 2-digit number Solve problems with multiplication</p>	<p>Addition, subtraction, multiplication & division Short division Division using factors Introduction to long division Long division with remainders</p>	<p>Addition, subtraction, multiplication & division Solve problems with division Solve multi-step problems Order of operations</p>	<p>Addition, subtraction, multiplication & division Mental calculations & estimation Reason from known facts</p>
Autumn 2	<p>NC: Fractions (inc decimals & percentages) Use common factors to simplify fractions; use common multiples to express fractions in the same denominator. Compare and order fractions, including fractions > 1. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$]. Divide proper fractions by whole numbers [for example, $\frac{3}{4} \div 2 = \frac{3}{8}$]. Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$].</p> <p>Measurement Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places. Convert between miles and kilometres.</p>						
	<p>Fractions a Equivalent fractions & simplifying Equivalent fractions on a number line Compare & order (denominator)</p>	<p>Fractions a Compare & order (numerator) Add & subtract simple fractions Add & subtract any two fractions</p>	<p>Fractions a Add mixed numbers Subtract mixed numbers Multi-step problems</p>	<p>Fractions b Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Divide any fraction by an integer</p>	<p>Fractions b Mixed questions with fractions Fraction of an amount Fraction of an amount – find the whole</p>	<p>Converting units Metric measures Convert metric measures Calculate with metric measures Miles & kilometres Imperial measures</p>	
Spring 1	<p>NC Ratio & Proportion Multiply one-digit numbers with up to two decimal places by whole numbers. Use written division methods in cases where the answer has up to two decimal places. Solve problems which require answers to be rounded to specified degrees of accuracy. Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</p> <p>Algebra Use simple formulae. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.</p> <p>Decimals Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</p>						
	<p>Ratio Add or multiply? Use ratio language Introduction to the ratio symbol Ratio & fractions Scale drawing</p>	<p>Ratio Use scale factors Similar shapes Ratio problems Proportion problems Recipes</p>	<p>Algebra 1-step function machines 2-step function machines Form expressions Substitution Formulae</p>	<p>Algebra Form equations Solve 1-step equations Solve 2-step equations Find pairs of values Solve problems with two unknowns</p>	<p>Decimals Place value within 1 Place value-integers & decimals Round decimals Add & subtract decimals</p>	<p>Decimals Multiply by 10, 100 & 1,000 Divide by 10, 100 & 1,000 Multiply decimals by integers Divide decimals by integers Multiply & divide decimals in context</p>	



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Spring 2	<p>NC Fractions (inc decimals & percentages) Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$]. Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Multiply one-digit numbers with up to two decimal places by whole numbers. Use written division methods in cases where the answer has up to two decimal places. Solve problems which require answers to be rounded to specified degrees of accuracy. Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</p> <p>Measurement Recognise that shapes with the same areas can have different perimeters and vice versa. Recognise when it is possible to use formulae for area and volume of shapes. Calculate the area of parallelograms and triangles. Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units [for example, mm³ and km³].</p> <p>Statistics Interpret and construct pie charts and line graphs and use these to solve problems. Calculate and interpret the mean as an average.</p>					
	<p>Fractions, decimals & percentages Decimal & fraction equivalents Fractions as division Understand percentages Fractions to percentages</p>	<p>Fractions, decimals & percentages Equivalent fractions, decimals & percentages Order fractions, decimals and percentages Percentage of an amount-one step Percentage of an amount-multi-step Percentages – missing values</p>	<p>Area, perimeter & volume Shapes-same area Area & perimeter Area of a triangle-counting squares Area of a right-angled triangle</p>	<p>Area, perimeter & volume Area of any triangle Area of a parallelogram Volume-counting cubes Volume of a cuboid</p>	<p>Statistics Line graphs Dual bar charts Read & interpret pie charts</p>	<p>Statistics Pie charts with percentages Draw pie charts The mean</p>
Summer 1	<p>NC Geometry – shape Draw 2-D shapes using given dimensions and angles. Recognise, describe and build simple 3-D shapes, including making nets. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</p> <p>Geometry – position & direction Describe positions on the full coordinate grid (all four quadrants). Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.</p>					
	<p>Shape Measure & classify angles Calculate angles Vertically opposite angles Angles in a triangle</p>	<p>Shape Angles in a triangle – special cases Angles in a triangle-missing angles Angles in quadrilaterals Angles in polygons</p>	<p>Shape Angles in polygons Circles Draw shapes accurately Nets of 3-d shapes</p>	<p>Position & direction The first quadrant Read & plot points in four quadrants Translations Reflections</p>		
Summer 2	Consolidation					

