



St Walburga's Catholic Primary School
Year 6 Maths Overview



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1	<p>Read, write, order, and compare numbers to at least 10 000 000, and determine the value of each digit.</p> <p>Identify the value of each digit in numbers given to three decimal places.</p>	<p>Round any whole number to a required degree of accuracy.</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy.</p>	<p>Use negative numbers in context and calculate intervals across zero.</p> <p>Solve number problems and practical problems that involve place value.</p>	<p>Perform mental calculations, including with mixed operations and large numbers.</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p>	ASSESSMENT WEEK	<p>Multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places.</p>	<p>Multiply multi-digit numbers up to 4 digits by a 2-digit whole number using the formal written method of long multiplication.</p>
Autumn 2	<p>Multiply 1-digit numbers with up to two decimal places by whole numbers.</p>	<p>Divide numbers up to 4-digits by a 2-digit whole number using the formal written method of short or long division, interpreting remainders as whole number remainders, fractions, or by rounding as appropriate to the context.</p> <p>Use written division methods in cases where the answer has up to two decimal places.</p>	<p>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p> <p>Solve problems involving addition, subtraction, multiplication, and division.</p> <p>Use knowledge of the order of operations (BODMAS) to carry out calculations involving all four operations.</p>	<p>Identify common factors, common multiples, and prime numbers.</p> <p>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</p>	ASSESSMENT WEEK	<p>Compare and order fractions, including fractions greater than 1.</p>	<p>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.</p>
Spring 1	<p>Multiply simple pairs of proper fractions, writing the answer in its simplest form. Divide proper fractions by whole numbers.</p>	<p>Solve problems involving the calculation of percentages of whole numbers or measures such as 15% of 360 and the use of percentages for comparison.</p>	<p>Associate a fraction with division and calculate decimal fraction equivalents (e.g., 0.375) for a simple fraction (e.g., $\frac{3}{8}$).</p> <p>Recall and use equivalences between simple fractions, decimals, and percentages, including in different contexts.</p>	<p>Recognise, describe, and build simple 3D shapes, including making nets.</p> <p>Draw 2D shapes using given dimensions and angles.</p> <p>Compare and classify geometric shapes based on their properties and sizes.</p>	ASSESSMENT WEEK	<p>Illustrate and name parts of circles, including radius, diameter, and circumference, and know that the diameter is twice the radius.</p>	

Spring 2	<p>Find unknown angles in any triangles, quadrilaterals, and regular polygons.</p> <p>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</p>	<p>Describe positions on the full coordinate grid (all four quadrants).</p> <p>Draw and translate simple shapes on the coordinate plane and reflect them in the axes.</p>	<p>Express missing number problems algebraically.</p> <p>Find pairs of number that satisfy number sentences involving two unknowns.</p> <p>Enumerate all possibilities of combinations of two variables.</p> <p>Use simple formulae. Generate and describe linear number sequences.</p>	<p>Calculate the area of parallelograms and triangles.</p>	<p>ASSESSMENT WEEK</p>	<p>Calculate, estimate, and compare volume of cubes and cuboids using standard units, including cm^3 and m^3, and extending to other units such as mm^3 and km^3.</p> <p>Recognise when it is possible to use the formulae for area and volume of shapes.</p>
Summer 1	<p>Interpret and construct:</p> <ul style="list-style-type: none"> pie charts line graphs <p>and use to solve problems.</p> <p>Calculate and interpret the mean as an average.</p>	<p>REVISION WEEK 1</p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.</p> <p>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, including decimal notation to three decimal places.</p> <p>Convert between miles and km.</p>	<p>REVISION WEEK 2</p> <p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</p> <p>Solve problems involving the calculation of percentages of whole numbers or measures such as 15% of 360 and the use of percentages for comparison.</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found.</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p>	<p>SATS WEEK!</p>	<p>Recognise that shapes with the same areas can have different perimeters and vice versa.</p>	<p>Secondary ready</p>
Summer 2	<p>Secondary ready</p>	<p>Secondary ready</p>	<p>Secondary ready</p>	<p>Secondary ready</p>	<p>Secondary ready</p>	<p>Secondary ready</p>