

Curriculum Map  
Year 7 Maths SET 2

Time Period	Autumn Term	Spring Term	Summer Term
<b>Content</b>	<ul style="list-style-type: none"> <li>Negative numbers</li> <li>Basic Algebra</li> <li>Four operations with whole numbers and decimals, including rounding and BIDMAS</li> <li>Perimeter, Area &amp; Volume</li> <li>Sequences</li> </ul>	<ul style="list-style-type: none"> <li>Fractions and Percentages</li> <li>Angles</li> <li>Coordinates and graphs</li> <li>Statistics</li> <li>Probability</li> <li>Revision of key topics from Autumn Term</li> </ul>	<ul style="list-style-type: none"> <li>Linear Equations</li> <li>Ratio</li> <li>Symmetry</li> <li>Interpreting data</li> <li>3D shapes</li> <li>Revision of key topics from Spring and Summer Terms</li> </ul>
<b>Skills</b>	<p><b>Number</b> charts (bank statements, gas meters, distance charts) and arithmetic related to financial mathematics, simple arithmetic with negative numbers</p> <p>square numbers and square roots, rounding (decimal places), order of operations (BIDMAS), multiplication and division problems without a calculator, units of measurements (conversions)</p> <p>multiplying and dividing by 10, 100, 1000 and 10 000, ordering decimals, estimating the answer to a calculation, adding, subtracting, multiplying &amp; dividing by decimals</p> <p><b>Algebra</b> expressions and substitution, simplifying expressions, using and writing simple formulae</p> <p>function machines, sequences and rules, working out missing terms in a sequence, special sequences</p> <p><b>Geometry</b> perimeter and area of 2D shapes on a grid, use simple formulae to work out perimeter and area of rectangles, work out perimeter and area of compound shapes made from rectangles, volume of cubes and cuboids</p>	<p><b>Number</b> equivalent fractions, simplify and compare fractions, add and subtract fractions, conversion between mixed numbers and improper fractions, add and subtract mixed numbers</p> <p>percentage, fraction and decimal equivalence, work out a fraction or a percentage of an amount, work out percentage increase and decrease</p> <p><b>Algebra</b> coordinates in all four quadrants, recognise and draw straight line graphs of the form <math>x = a</math>, <math>y = a</math>, <math>x + y = a</math> and <math>y = ax</math>, graphs in the real world</p> <p><b>Geometry</b> calculate angles at a point, on a straight line and in a right angle, properties of triangles and quadrilaterals, calculate missing angles in triangles and quadrilaterals</p> <p><b>Probability and Statistics</b> calculate the mean, mode, median and range, read and interpret pictograms, tally charts, bar charts and line graphs, use grouped frequency tables</p> <p>use keywords related to probability, probability scales, understand the difference between theoretical and experimental probability</p>	<p><b>Algebra</b> solve one and two step equations (incl. equations with brackets and fractions) using 'balance method'/'function machines', set up and solve equations</p> <p><b>Ratio</b> understand the relationship between fractions and ratios, simplify ratios, work out equivalent ratios, share and compare quantities using ratios</p> <p><b>Geometry</b> lines of symmetry, rotational symmetry, reflections and tessellations</p> <p>identify 3D shapes and their properties, draw and construct nets of 3D shapes, understand the relationship between faces, edges and vertices in 3D shapes</p> <p><b>Statistics</b> draw pie charts and interpret data from pie charts, use averages and range to compare data, interpret data from various charts/graphs</p>
<b>Assessment week and content</b>	<p>04.11.25</p> <p>All of the above, <u>except</u> content highlighted in green</p>	<p>10.02.26</p> <p>Content highlighted in green in Autumn Term and Spring Term</p>	<p>w/c 11.05.26</p> <p>All the content covered over the year</p>

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