

Curriculum Map
Year 7 Maths SET 1

Time Period	Autumn Term	Spring Term	Summer Term
Content	- Negative numbers - Basic Algebra - Four operations with whole numbers and decimals, including rounding and BIDMAS - Perimeter, Area & Volume - Sequences	- Fractions and Percentages - Angles - Coordinates and graphs - Statistics - Probability - Revision of key topics from Autumn Term	- Linear Equations - Ratio - Symmetry - Interpreting data 3D shapes - Revision of key topics from Spring and Summer Terms
Skills	Number charts (bank statements, gas meters, distance charts) and arithmetic related to financial mathematics, simple arithmetic with negative numbers square numbers and square roots, rounding (decimal places), order of operations (BIDMAS), multiplication and division problems without a calculator, units of measurements (conversions) multiply and divide by 10, 100, 1000 and 10 000, order decimals, estimate the answer to a calculation, add and subtract decimals, multiplication and division with decimals Algebra expressions and substitution, simplify expressions, use and write formulae function machines, sequences and rules, work out missing terms in a sequence (incl. patterns), work out nth term, special sequences Geometry perimeter and area of compound shapes made from rectangles, area of other 2D shapes (triangles, parallelograms and trapezia), surface area and volume of cubes and cuboids	Number equivalent fractions, comparing fractions, add and subtract fractions, mixed numbers and improper fractions, work out fractions of quantities calculate simple percentages, solve problems related to percentage increase and decrease Algebra coordinates in all four quadrants, recognise and draw straight line graphs of the form $x = a$, $y = a$, $y = ax$ and $x + y = a$, graphs in the real world Geometry measure and draw angles with a protractor, work out missing angles on straight lines and around a point, in triangles and in quadrilaterals, know rules related to corresponding, alternate and interior angles in parallel lines Probability and Statistics calculate the mode, median, mean and range, read and interpret statistical diagrams (including grouped frequency tables), collecting and using discrete and continuous data probability scales, combined events and understand the difference between theoretical and experimental probability	Algebra solve one and two step equations (incl. equations with brackets and fractions) using 'balance method'/'function machines', set up and solve equations Ratio understand the relationship between fractions and ratios, simplify ratios, work out equivalent ratios, share and compare quantities using ratios Geometry lines of symmetry, rotational symmetry, reflections, rotations and tessellations identify 3D shapes and their properties, draw and construct nets of 3D shapes, understand the relationship between faces, edges and vertices in 3D shapes Statistics draw pie charts and interpret data from pie charts, use averages and range to compare data, interpret data from various charts/graphs
Assessment week and content	04.11.25 All of the above, except content highlighted in green	10.02.26 Content highlighted in green in Autumn Term and Spring Term	w/c 11.05.26 All the content covered over the year

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