

Curriculum Map
Year 8 Maths SET 2

Time Period	Autumn Term	Spring Term	Summer Term
Content	<ul style="list-style-type: none"> Factors, Multiples, Powers and Roots and Negative Numbers Parallel Lines, Transformations and Constructions Probability Algebraic Expressions and Laws of Indices Percentages (use of multipliers) Area and Volume Standard Form 	<ul style="list-style-type: none"> Linear and Non-Linear Graphs Interpreting data Congruence and Scaling Ratios in real life Fractions and Decimals Direct and Inverse Proportion Circles Sequences Revision of key topics from Autumn Term 	<ul style="list-style-type: none"> Equations and formulae Comparing data Revision of key topics from Spring Term
Skills	<p>Number multiply and divide negative numbers, HCF and LCM, powers and roots, prime factors</p> <p>calculate percentages, calculate the value after a percentage increase/decrease using a multiplier, calculate the percentage change</p> <p>powers of 10, round to the asked number of significant figures, standard form with large numbers, multiplying with numbers in standard form</p> <p>Algebra algebraic notation (complex expressions), collect like terms, expand brackets, form algebraic expressions, apply laws of indices to simplify expressions, introduction to factorisation</p> <p>Geometry angles in parallel lines, properties of quadrilaterals, rotations, translations, compass and ruler constructions</p> <p>area of triangles, area of parallelograms, area of trapeziums, surface area of cubes & cuboids</p> <p>Probability probability scales, mutually exclusive outcomes, use sample space diagrams to calculate probabilities, experimental probability</p>	<p>Number add, subtract, multiply and divide fractions, multiply fractions and integers, divide fractions by integers and integers by fractions, strategies to perform multiplication and division involving decimals efficiently</p> <p>Algebra graphs from linear equations, gradient of a straight line, graphs from simple quadratic equations, real-life graphs</p> <p>use flow diagrams to generate sequences, nth term of linear sequences, the Fibonacci sequence</p> <p>Ratio and Proportion direct proportion, representing direct proportion algebraically and graphically, inverse proportion, understand the difference between direct and inverse proportion</p> <p>Geometry congruent shapes, enlargements, use ratios to compare lengths, areas and volumes of 2D and 3D shapes, ratios in maps and scale drawings</p> <p>the circle and its parts, calculate the circumference and area of circles using a formula</p> <p>Statistics pie charts, scatter graphs and correlation, construct grouped frequency tables</p>	<p>Algebra solve equations with brackets, equations with variables on both sides, solve more complex equations, rearrange equations and formulae</p> <p>Statistics create grouped frequency tables from raw data, interpret/draw frequency diagrams from grouped frequency tables, use mean and range to compare data from two sources, understand when each different type of average is most useful</p>
Assessment week and content	<p>11.11.25</p> <p>All of the above, except content highlighted in green</p>	<p>03.02.26</p> <p>Content highlighted in green in Autumn Term and Spring Term</p>	<p>w/c 04.05.26</p> <p>All the content covered over the year</p>