

Curriculum Map
Year 8 Maths Standard

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 Area and Volume Standard Form 	<ul style="list-style-type: none"> Linear and Non-Linear Graphs Interpreting data Congruence and Scaling 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 multiplying and dividing negatives, HCF, LCM, powers and roots, prime factors</p> <p>calculating percentages, percentage increase/decrease, percentage change</p> <p>powers of 10, large numbers and rounding, significant figures, standard form with large numbers, multiplying with numbers in standard form</p> <p>Algebra algebraic notation, like terms, expanding brackets, using algebraic expressions, using index notation</p> <p>Geometry angles in parallel lines, properties of quadrilaterals, rotations, translations, 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, sample space diagrams, experimental probability</p>	<p>Number adding, subtracting, multiplying and dividing with fractions and integers, multiplication with large and small numbers</p> <p>Algebra graphs from linear equations, gradient of a straight line, graphs from simple quadratic equations, real-life graphs</p> <p>using flow diagrams to generate sequences, nth term of sequences, the Fibonacci sequence</p> <p>Ratio and Proportion direct proportion, graphs and direct proportion, inverse proportion, comparing direct proportion and inverse proportion</p> <p>Geometry congruent shapes, enlargements, shape and ratio, scales</p> <p>the circle and its parts, circumference of circles, formulae for the circumference, formula for the area of circles</p> <p>Statistics pie charts, scatter graphs and correlation, construct grouped frequency tables</p>	<p>Algebra equations with brackets, equations with variables on both sides, more complex equations, rearranging formulae</p> <p>Statistics grouped frequency tables, drawing frequency diagrams, comparing data, which averages to use</p>
Assessment week and content	<p>w/c 13.11.23</p> <p>All of the above, except content highlighted in green</p> <p>(students will also be give a topic list, with reference to MathsWatch clips, to support them with revision)</p>	<p>w/c 05.02.24</p> <p>Content highlighted in green</p> <p>(students will also be give a topic list, with reference to MathsWatch clips, to support them with revision)</p>	<p>w/c 29.04.24</p> <p>All the content covered over the year</p> <p>(students will also be give a topic list, with reference to MathsWatch clips, to support them with revision)</p>

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