

Curriculum Map - Maths - Year 9

Autumn Term		Spring Term		Summer Term	
Unit Title:	Unit Title:	Unit Title:	Unit Title:	Unit Title:	Unit Title:
Algebra Geometry and measure 1	Number Geometry measure 2 Probability and statistics	Number Algebra	Algebra Graphs, tables & charts	Graphs, tables & charts Fractions & percentages	Percentages Equations, Inequalities & sequences
Key topics covered:	Key topics covered:	Key topics covered:	Key topics covered:	Key topics covered:	Key topics covered:
Solving equations Substitution Formulae Area of Trapeziums Volume and surface area of cuboid, prisms and cylinder	Percentages Intro to non-linear graphs Intro to Trigonometry Similarity and congruence Scale diagrams Conversions Intro to Venn diagram Intro to Scatter graphs Drawing pie charts	Decimals Place value Types of numbers Powers and indices Prime factors, HCF and LCM Simplifying expressions	Expressions and formulae Expanding and factorising Frequency tables Two way tables Representing data Averages Time series	Pie charts Using the line of best fit Fractions Fractions and decimals Fractions and percentages	Percentages Recap of solving equations and formulae Inequalities Sequences Using formulae
<p>Through the mathematics content, pupils should be taught to:</p> <ul style="list-style-type: none"> • Develop fluency • Reason mathematically • Solve problems • Use mathematical language and properties precisely 					
<p>Why do students study this: Students will study this to be able to move freely between different numerical, algebraic, graphical and diagrammatic representations. Extend and formalise their knowledge of ratio and proportion, including trigonometric ratios, and in working with measures and geometry. They will do this to develop their mathematical knowledge through solving problems and evaluating the outcomes, including multi-step problems And then finally to be able to select appropriate methods and techniques to apply to unfamiliar and nonroutine problems; interpret their solution in the context of the given problem.</p>					
<p>Assessment Dates - Can be found on the School Website Assessment topics - Topics are shared by class teachers nearer to the exam period</p>					