

Curriculum overview

Mathematics – Year 9

Unit 1 : Non-Calculator Fractions, Decimals & Percentages
Conversions, four operations with mixed numbers, word problems

Unit 2 : Linear Graphs and Gradient
Plotting linear graphs, calculating gradient, equation of a linear graph

Unit 3 : Transformations
Reflection, rotation, translation and enlargement of shapes

Unit 4 : Non-Calculator Ratio and Proportion
Using ratio notation, solving ratio problems

Unit 5 : Angles and Similarity
Using angle facts, angles in polygons, similar shapes

Unit 6 : Pythagoras and Trigonometry
Using Pythagoras' Theorem and trigonometry in triangles

Unit 7 : Probability
Theoretical & experimental probability, tables & Venn diagrams

Unit 8 : Maps and Constructions
Using map scales, calculating bearings, constructing loci & triangles

Unit 9 : Percentages - Calculator Methods
Decimal multipliers, reverse percentage, growth and decay