

Key Stage 3 Curriculum Overview

	Autumn Term	Spring Term	Summer Term
Year 7	Making generalisations about the number system <ul style="list-style-type: none"> • Numbers and numerals • Axioms and arrays • Factors and multiples • Order of operations • Positive and negative numbers • Expressions, equations and inequalities 	2D Geometry <ul style="list-style-type: none"> • Angles • Classifying 2D shapes • Constructing triangles and quadrilaterals • Coordinates • Area of 2D shapes • Transforming 2D figures 	Fractions, Ratio and Proportion <ul style="list-style-type: none"> • Prime factor decomposition • Conceptualising and comparing fractions • Manipulating and calculating with fractions • Ratio • Percentages
Year 8	Equations and Inequalities <ul style="list-style-type: none"> • Sequences • Forming and solving equations • Forming and solving inequalities • Linear graphs • Accuracy and estimation 	Proportional Reasoning and Data Handling <ul style="list-style-type: none"> • Ratio • Real life graphs and rate of change • Direct and inverse proportion • Univariate data • Bivariate data 	Angles, Area, Volume and Surface Area <ul style="list-style-type: none"> • Angles in polygons • Bearings • Circles and composite shapes • Volume and surface area of prisms
Year 9	Probability and Linear Simultaneous Equations <ul style="list-style-type: none"> • FDP review • Probability • Sets, Venn and sample space diagrams • Solving algebraically • Solving graphically 	Geometry of Triangles, Ratio and Proportion <ul style="list-style-type: none"> • Angle review • Constructions, congruence and loci • Pythagoras' theorem • Ratio review • Similarity and enlargement • Surds and trigonometry 	Quadratics and Reasoning with Numbers <ul style="list-style-type: none"> • Quadratic expressions • Quadratic equations • Indices and standard form • Growth and decay

This framework follows the content and assessment objectives set out by DfE and Ofqual and, hence, reflects the requirements of GCSE mathematics offered by AQA, Eduqas, OCR and Pearson Edexcel.