

Maths - Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Unit 1: Applications of Number	Unit 2: Fractional Thinking	Unit 3: Algebraic Thinking	Unit 4: Place Value & Proportion	Unit 5: Lines & Angles	Unit 6: Reasoning with Number Unit 7: Directed Numbers
Year 8	Unit 8: Proportional Reasoning	Unit 9: Representations	Unit 10: Algebraic Techniques	Unit 11: Developing Number	Unit 12: Developing Geometry	Unit 13: Reasoning with data
Year 9	Unit 14: Reasoning with Algebra	Unit 15: Constructing in 2 and 3 dimensions	Unit 16: Reasoning with Number	Unit 17: Reasoning with Geometry	Unit 18: Reasoning with Proportion	Unit 19: Representations & Revision
Year 10	Unit 20: Similarity	Unit 21: Developing Algebra	Unit 22: Geometry	Unit 23: Proportions and Proportional Change	Unit 24: Delving into Data	Unit 25: Number & Revision
Yr11 Set 1	Angles in parallel lines and Polygons. -Rotation and Translation. Sets and Probability.	Solving Ratio and Proportion problems. Vectors Pythagoras Theorem. Trigonometry. -Angles and Bearings. Mock revision.	Gradients and Lines. Rotation and Translation. Non-Linear Graphs. Yr Autumn Block 5- Changing the subject. -Geometric reasoning.	Transforming and Constructing. Collecting, Representing and Interpreting Data. Non-Calculator Methods. Algebraic Reasoning. Functions.	Functions. Congruence, Similarity and enlargement. Multiplicative reasoning.	
Yr11 Set 2	Ratio, proportions and fractions. Trigonometry. Multiplicative Reason.	Angles and Bearings. Non linear graphs. Expanding and factorising. Mock revision.	Constructions. Vectors. Algebra.	Perimeter and Volume. Critical Issues.	Revision GCSE Past Papers	

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Yr11 Set 3	Addition and Subtraction. Multiplication and Division. FDP Equivalence.	Prime numbers and Proof. Ratio and Scale. Brackets, Equations and Inequalities. Straight Line graphs. Non-Linear Graphs. Mock revision.	Enlargement and Similarity. Rotation and Translation. Vectors. Solving Ratio and Proportion problems. Area of Trapezia and Circles.	Collecting, represent and interpreting data. Critical Issues.	Probability. Percentages and Interest.	
Yr11 Set 4	Averages, Directed Number, Integers, decimals, fractions and Standard Form. Brackets, equations and inequalities, Ratios, Fractions, Proportion	Growth and decay, compound measures, direct and inverse proportion. Loci and construction. Vectors. Mock revision.	Angle facts. Application of vectors. Scale diagrams. Bearings. Averages, sampling, interpreting data	Critical Issues. Revision GCSE Past Papers	Revision GCSE Past Papers	
Year 12	Statistical sampling. Quantities and units in mechanics	Data presentation and interpretation. Kinematics 1 (constant acceleration)	Probability. Forces and Newton's Law.	Statistical Distribution. Kinematics 2.	Statistical Hypothesis Testing. Kinematics 2.	Proof. Algebraic and Partial Fractions. Functions and Modelling.
Year 13	Series and sequences. The binomial theorem. Regression and correlation. Probability.	Trigonometry. Parametric equations. The Normal Distribution. Moments.	Differentiation. Numerical methods. Integration 1 & 2. Forces at any angle. Applications of Kinematics.	Vectors 3D. Revision. Application of forces. Further kinematics.	Revision.	