

Year 11 Spring Term Maths Curriculum

Class teachers have recently marked student's mock exam papers that they completed at the beginning of December. After analysis of these teachers have identified the topics that would be most beneficial for classes to further study. Therefore, the plans for each class are bespoke.

Mr Ahluwalia	<ul style="list-style-type: none"> • Index laws, fractional and negative indices and surds • Direct and indirect proportion • Histograms • Transformation of functions, inverse and composite functions • Inequalities • Factorisation and graphing of quadratics • Constructions • Compound and conditional probability
Mr Storey-Scott	<ul style="list-style-type: none"> • Trigonometry (Recapping previous knowledge, solving problems without a calculator, trigonometric graphs, solving trigonometric equations) • Revision based on areas of weakness from the Mock exams, including: • Functions • Surds • Circle Theorems
Miss Robinson	<ul style="list-style-type: none"> • Conditional probability and probability diagrams, including Venn diagrams, sample space diagrams and tree diagrams • Pythagoras' theorem and trigonometry, including in 3D contexts • Sine rule, Cosine rule and area of a triangle • Functions and graphs, including cubic and reciprocal graphs • Solving and graphing inequalities
Mrs Joseph	<ul style="list-style-type: none"> • Sine rule, cosine rule and area of a triangle • A review of a variety of diagrams and models for solving probability problems. We will look at set notation and the use of Venn diagrams. • Straight line and quadratic graphs. • Compound measures including speed, density and pressure and distance-time graphs. • Similar shapes and enlargement
Mr Hammond	<ul style="list-style-type: none"> • Compound measures; speed, density, and pressure • Prime factorisation of numbers; finding the Highest Common Factor and Lowest Common Multiple • Algebraic graphs; equations for, and properties of straight line and quadratic graphs • Probability; Venn diagrams, sample space diagrams, and tree diagrams • Shapes; similar and congruent
Mr McClusky	<ul style="list-style-type: none"> • Compound Measures including speed, density & pressure • Algebra, including solving equations, linear & quadratic graphs. • Calculating percentages and percentage change. • Ratio & proportion. • Probability, to include Venn, tree and sample space diagrams
Mr Bullock	<ul style="list-style-type: none"> • Compound measures including speed, density and pressure • Prime factorisation of numbers and how this can be used to find HCFs and LCMs • Algebraic graphs including linear graphs and their equations, properties of quadratic graphs and other common functions. • Probability including Venn diagrams, Sample space diagrams and tree diagrams • Similar shapes and enlargement