Mathematics

Key Stage 4 - Year 10 – Higher

Term One	Term Two	Term Three
• Standard Form • Percentages • Circles • Volume and surface area • Factors and multiples • Rearranging equations • Constructions and Loci • Pythagoras and Trigonometry • Linear and quadratic equations • Decimals	• Probability • Angles • Scale drawings and bearings • Algebraic fractions • Scatter graphs • Real-life graphs • Ratio and proportion • Simultaneous equations	• Sequences • Measures • Estimation and bounds • Indices • Surds • Linear graphs • Direct and inverse proportion • Collecting and representing data

Mathematics

Key Stage 4 - Year 10 – Foundation

Term One	Term Two	Term Three
- Basic algebra - Equations - Congruence and similarity - Pythagoras - Percentages - Collecting and representing data - Scatter graphs - Rounding and estimation - Ratio and proportion - Rearranging formula - Circles - Factors and multiples - Basic number	- Fractions - Perimeter and area - Factors and multiples - Decimals - Volume - Constructions and loci - Inequalities - Linear graphs	- Measures - Real-life graphs - Congruence and similarity - Transformations - Probability - Sequences - Angles - Scatter graphs

Mathematics

Key Stage 4 - Year 11 – Higher

Term One	Term Two	Term Three
• Equations and graphs • Sketching graphs • Growth and decay • Numerical methods • Congruence and similarity • Vectors • Scale drawings and bearings • Equations of circles • Ratio and proportion • Statistical measures and charts • Sequences • Arcs and sectors • Scatter graphs	• Gradients and rates of change • Area under curves • Transforming functions • Probability revision • Transformations • Constructions and loci • Volume and surface area • Factors and multiples • Indices and surds • Angles in polygons	• Circle Theorems • Simultaneous equations • Trigonometry • Algebraic fractions

Mathematics

Key Stage 4 - Year 11 – Foundation

Term One	Term Two	Term Three
• Vectors • Fractions, decimals and percentages • Growth and decay • Pythagoras • Trigonometry • Standard form • Basic number • Indices • Quadratic equations and their graphs • Sketching graphs • Ratio and proportion • Proving identities	• Scale drawings and bearings • Solving equations • Solving simultaneous equations • Direct and inverse proportion • Angles • Congruence and similarity • Linear graphs • Constructions and similarity • Linear graphs • Constructions and loci • Transformations	• Area, perimeter and volume • Factors and multiples • Calculations with fractions and decimals • Collecting and representing data • Rearranging equations • Inequalities • Arcs and sectors