



Maths



Curriculum Mapping

Paper 1: Calculator (Higher /Foundation)

Paper 2: Non-calculator (Higher/Foundation)

Paper 3: Calculator (Higher/Foundation)

Final Exams

Our KS4 curriculum builds on a solid foundation of knowledge established at KS3. At KS4 our curriculum is split into:

- Foundation – focus on GCSE foundation paper topics and skills
- Crossover – Focus on GCSE foundation paper topics and skills with carefully selected higher tier content
- Higher – Focus on GCSE higher paper topics and skills

KS4 Y10 & Y11

- Representations
- Probability
 - Algebraic representation

- Reasoning with Proportion
- Enlargement and similarity
 - Solving ratio and proportion problems
 - Rates

- Reasoning with Geometry
- Deduction
 - Rotation and translation
 - Pythagoras' Theorem

- Reasoning with Number
- Numbers
 - Using percentages
 - Maths and money

- Developing Geometry
- Angles in parallel lines and polygons
 - Area of trapezia and circles
 - Line symmetry and reflection

- Reasoning with Data
- The data handling cycle
 - Measures of location

- Reasoning with Algebra
- Straight line graphs
 - Forming and solving equations
 - Testing conjectures

KS3 Y9



- Developing Number
- Fractions and percentages
 - Standard index form
 - Number sense

- Constructing in 2 and 3 Dimensions
- Three dimensional shapes
 - Constructions and congruency

- Proportional Reasoning
- Ratio and scales
 - Multiplicative change
 - Multiplying and dividing fractions

KS3 Y8



- Algebraic Techniques
- Brackets, equations and inequalities
 - Sequences
 - Indices

- Reasoning with Number
- Developing number sense
 - Sets and probability
 - Prime numbers and proof

- Lines and Angles
- Constructing, measuring and using geometric notation
 - Developing geometric reasoning

- Representations
- Working in the cartesian plane
 - Representing data
 - Tables and probability

KS3 Y7



- Place Value and Proportion
- Place value: Ordering integers and decimals
 - Fractions, decimal and percentage equivalence

- Directed Number
- Operations with equations and directed number

- Fractional Thinking
- Addition and subtraction of fractions

- Algebraic Thinking
- Sequences
 - Understand and use algebraic notation
 - Equality and equivalence

- Applications of Number
- Solving problems with addition and subtraction
 - Solving problems with multiplication and addition
 - Fractions and percentages of amounts

Ambition - Courage - Honesty - Inspiration - Respect