



MATHS Y₁₁ HIGHER CURRICULUM AND ASSESSMENT MILESTONES DOCUMENT

YEAR 11 HIGHER ASSESSMENT MILESTONES: MATHS

Autumn Unit 1: Further Trigonometry	Know and use the Sine and Cosine rules. Use Pythagoras in 3D and use trigonometric graphs
Autumn Unit 2: Collecting and Analysing Data	Draw and interpret cumulative frequency graphs, box plots, stem and leaf diagrams and histograms
Autumn Unit 3: Quadratics and Graphs	Expand double and triple brackets. Understand how quadratic and cubic equations relate to their graphs
Autumn Unit 4: Circle Theorems	Know and apply circle theorems to work out missing angles
Spring Unit 1: Manipulating Algebra and Proof	Rearrange a formula, manipulate and solve algebraic fractions and work with surds
Spring Unit 2: Vectors	Use vector notation and use geometric proof
Spring Unit 3: Proportion and Rates of Change	Use direct and inverse proportion to form equations and solve problems. Understand how to interpret graphs of change
Spring Term Revision	Revise key topics identified from mock exams ready for GCSE exam
Summer Term: Revision	Revise key topics identified from mock exams ready for GCSE exam

YEAR 11 HIGHER ASSESSMENT MILESTONES: MATHS

Autumn Unit 1: Further Trigonometry	Practice GCSE assessment every two weeks to monitor areas for development
Autumn Unit 2: Collecting and Analysing Data	Practice GCSE assessment every two weeks to monitor areas for development
Mock GCSEs 1	Pupils will be given a breakdown of their strengths and weaknesses from the assessment. These topics will make up future revision lessons.
Autumn Unit 3: Quadratics and Graphs	Practice GCSE assessment every two weeks to monitor areas for development
Autumn Unit 4: Circle Theorems	Practice GCSE assessment every two weeks to monitor areas for development
Spring Unit 1: Manipulating Algebra and Proof	Practice GCSE assessment every two weeks to monitor areas for development
Mock GCSEs 2	Pupils will be given a breakdown of their strengths and weaknesses from the assessment. These topics will make up future revision lessons.
Spring Unit 2: Vectors	Practice GCSE assessment every two weeks to monitor areas for development
Spring Unit 3: Proportion and Rates of Change	Practice GCSE assessment every two weeks to monitor areas for development
Spring Term Revision	Practice GCSE assessment every two weeks to monitor areas for development
Summer Term: Revision	Practice GCSE assessment every two weeks to monitor areas for development
GCSE Exams	Pupils to sit one non-calculator and two calculator papers each lasting one hour 30 minutes