



Year 12 Curriculum Overview

	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6
Content	Pure Unit 1: Algebra and functions	Pure Unit 3: Further Algebra	Pure Unit 5: 2D vectors	Pure Unit 7: Integration	Revision / Exams	EXAM A2 Pure Unit 6a: Radian Measure
	Pure Unit 2: Coordinate geometry in the (x, y) plane	Pure Unit 4: Trigonometry	Pure Unit 6: Differentiation	Pure Unit 8: Exponentials and Logarithms		
	Stats Unit 1: Statistical sampling	Stats Unit 2a/b: Data presentation and interpretation	Stats Unit 3: Probability Stats Unit 4: Statistical distributions	Stats Unit 5b: Statistical hypothesis testing		
		Mechanics Unit 6: Quantities and units in mechanics	Stats Unit 5a: Statistical hypothesis testing	Mechanics Unit 8a/b: Forces and Newton's Laws		
			Mechanics Unit 7a/b: Kinematics – constant acceleration	Mechanics Unit 9: Kinematics – variable acceleration		
In School Assessment	Unit Tests	Unit Tests Mock Exam	Unit Tests Mock Exam	Unit Tests	Mock Exam	

Exam Assessment Structure

Pupils sit 3 sets of mock exams across the year. Primarily secure mock papers are used, alongside shadow and practice papers.

A/S Level - Assessment

Paper 1 – Pure Maths 1 (2 hours - 100 marks) - 62.5% of mark

Paper 2 – Statistics & Mechanics (1 hour 15 minutes - 60 marks) 37.5% of mark

How you can support your child outside of lessons:

- Check their folder and organisation regularly
- Read through assessment feedback with them to ensure they are targeting their revision
- Support wider learning and encourage attendance to extra-curricular events
- Encourage them to engage with educational websites provided on google classroom
- Ensure they utilize all resources, community and deadlines provided on google classroom



Year 13 Curriculum Overview

	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6
Content	Pure Unit 1: Proof	Pure Unit 6: Trigonometry	Pure Unit 5: the Binomial theorem	Pure Unit 7: Parametric Equations	Revision	Exams
	Pure Unit 2: Algebraic and partial fractions	Pure Unit 8: Differentiation	Pure Unit 10: Integration 1	Pure Unit 9: Numerical Methods		
	Pure Unit 3: Functions and modelling	Stats Unit 1: Regression and correlations	Pure Unit 11: Integration 2	Stats Unit 3a/b/c: Normal Distribution		
	Pure Unit 4: Series and sequences	Mechanics Unit 6: Application of kinematics	Pure Unit 12: 3D Vectors	Mechanics Unit 7: Application of forces		
	Mechanics Unit 4: moments		Stats Unit 2: Probability	Mechanics Unit 8: Further Kinematics		
	Mechanics Unit 5: Forces at any angle					
Assessment	Unit Tests	Unit Tests Mock Exam	Unit Tests Mock Exam	Unit Tests	Mock Exam	

Exam Assessment Structure

Pupils sit 3 sets of mock exams across the year. Primarily secure mock papers are used, alongside shadow and practice papers.

A Level – Assessment: 3 x 120 minute exams each worth 33 1/3% of the qualification.

Paper 1 – Pure Maths 1 (100 marks)

Paper 2 – Pure Maths 2 (100 marks)

Paper 3 – Statistics & Mechanics (100 marks)

Any pure content from AS / A2 can be assessed on paper 1 and paper 2.

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