



## Year 12 Curriculum Overview

	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6
<b>Content</b>	Core Unit 1: Complex Numbers (1)	Core Unit 3: Complex Numbers (2)	Core Unit 4: Series	FMechanics Unit 2a/b: Work Energy & Power	<b>Revision/Exam</b>	Core 2 Unit 1: Complex Numbers
	Core Unit 2: Matrices	Core Unit 5: Algebra & Functions	Core Unit 6: Proof	FMechanics Unit 2c: Work Energy & Power		FMechanics Unit 4: Momentum & Impulse (2)
	Decision Unit 1: Algorithms and graph theory (1)	Decision Unit 3: Algorithms on graphs (2)	Core Unit 7: Vectors	FMechanics Unit 3: Elastic Collisions in 1D		Decision Unit 6: Algorithms and graph theory (2)
	Decision Unit 2: Algorithms on graphs (1)	Decision Unit 4: Linear programming	FMechanics Unit 1: momentum and Impulse	Core Unit 8: Calculus		Decision Unit 7: Algorithms on graphs 1 (2)
		Decision Unit 5: Critical Path Analysis				
<b>In School Assessment</b>	<b>Unit Tests</b>	<b>Unit Tests Mock Exam</b>	<b>Unit Tests Mock Exam</b>	<b>Unit Tests</b>	<b>Mock Exam</b>	

### 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: 2 x 100 minute exams each worth 50% of the qualification.

Paper 1 – Pure Core 1 (80 marks)

Paper 2 – Mechanics  $\frac{1}{2}$  / Decision  $\frac{1}{2}$  (80 marks)

### 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