A-Level Mathematics: OCR A (H240)

Curriculum and Assessment Overview

Content Overview	Assessment Overview	
Component 01 assesses content from Pure Mathematics in a single section of 100 marks.	Paper 1: Pure Mathematics (01) 100 marks 2 hour written paper	**33⅓%** of total A Level
Component 02 assesses content from Pure Mathematics and Statistics in two separate sections of approximately 50 marks each. Some of the assessment items in the Statistics section will be set in the context of the pre-release large data set.	Paper 2: Pure Mathematics and Statistics (02) 100 marks 2 hour written paper	**33⅓%** of total A Level
Component 03 assesses content from Pure Mathematics and Mechanics in two separate sections of approximately 50 marks each.	Paper 3: Pure Mathematics and Mechanics (03) 100 marks 2 hour written paper	**33⅓%** of total A Level

Curriculum Delivery Plan

Y12 (AS)

Teacher A	Teacher B
Term 1	
Chapter 1 - Algebra	Chapter 4 – Coordinate Geometry, Graphs and Circles
Chapter 2 – Quadratics and Cubics	Chapter 5 – The Binomial Expansion
Chapter 3 – Inequalities and Simultaneous Equations	Chapter 8 - Differentiation
Chapter 6 - Trigonometry	
Chapter 7 - Exponentials and Logarithms	
Term 2	
Chapter 7 - Exponentials and Logarithms	Chapter 9 - Integration
Chapter 15 - Kinematics	Chapter 10 - Vectors
Chapter 16 – Forces and Newton's Laws	Chapter 11 – Sampling, Data Presentation, and Interpretation
	Chapter 12 - Probability
Term 3	
Chapter 17 – Algebra and Functions	Chapter 12 - Probability
Chapter 21 – The Binomial Expansion 2	Chapter 13 – Statistical Distributions
	Chapter 14 – Statistical Hypothesis Testing

Y13 (A2)

Teacher A	Teacher B
Term 1	
Chapter 22 – Differentiation 2	Chapter 17 – Proof
Chapter 23 – Integration 2	Chapter 18 – Trigonometry
	Chapter 19 – Parametric Equations
	Chapter 20 – Sequences and Series
Term 2	
Chapter 25 – Vectors 2	Chapter 24 – Numerical Methods
Chapter 29 – Kinematics 2	Chapter 26 – Correlation and regression
Chapter 30 – Dynamics	Chapter 27 – Probability 2
Chapter 31 - Moments	Chapter 28 – The Normal Distribution
Term 3	
Chapter 31 - Moments	Chapter 28 – The Normal Distribution
Revision	