EXAMINATION BOARD

Edexcel

METHOD OF ASSESSMENT
All units are externally assessed by Edexcel in either the January or May / June examination sessions, with a 1 hour 30 minute written exam per unit.

Year 12 - International AS in Mathematics
Unit 1: P1 Pure Mathematics 1   Algebra and functions; coordinate geometry in the (x, y); trigonometry; differentiation; integration.
Unit 2: P2 Pure Mathematics 2   Proof; algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; exponentials and logarithms; trigonometry; differentiation; integration.
Unit 3: S1   S1: Mathematical models in probability and statistics; representation and summary of data; probability; correlation and regression; discrete random variables; discrete distributions; the Normal distribution.

Y13 - International A Level in Mathematics
Unit 4: P3 Pure Mathematics 3   Algebra and functions; trigonometry; exponentials and logarithms; differentiation; integration; numerical methods.
Unit 5: P4 Pure Mathematics 4   Proof; algebra and functions; coordinate geometry in the (x, y) plane; binomial expansion; differentiation; integration; vectors.
Unit 6: D1 Decision Maths   Algorithms; algorithms on graphs; algorithms on graphs II; critical path analysis; linear programming.   OR   Unit 6: M1 Mechanics: Mathematical models in mechanics; vectors in mechanics; kinematics of a particle moving in a straight line; dynamics of a particle moving in a straight line or plane; statics of a particle; moments.