

Course Description (Mathematics)

The Mathematics Syllabus has been divided into a Preliminary course and a HSC course as follows:

Preliminary Course	HSC Course
Basic Arithmetic and Algebra (1.1–1.4)	Coordinate Methods in Geometry (6.8)
Real Functions (4.1–4.4)	Applications of Geometrical Properties (2.5)
Trigonometric Ratios (5.1–5.5)	Geometrical Applications of Differentiation (10.1–10.8)
Linear Functions (6.1–6.5, 6.7)	Integration (11.1–11.4)
The Quadratic Polynomial and the Parabola (9.1–9.5)	Trigonometric Functions (including applications of trigonometric ratios 13.1–13.6, 13.7)
Plane Geometry – geometrical properties (2.1–2.4)	Logarithmic and Exponential Functions (12.1–12.5)
Tangent to a Curve and Derivative of a Function (8.1–8.9)	Applications of Calculus to the Physical World (14.1–14.3)
	Probability (3.1–3.3)
	Series (7.1–7.3) and Series applications (7.5)