

## Topics For Year 12 Half-Yearly 2010

<b>MATHEMATICS</b>	<b>EXTENSION 1</b>	<b>EXTENSION 2</b>
Arithmetic & Algebra	Inequalities with unknown in the denominator	Complex Numbers
Plane Geometry		Graphing
Real Functions		Conic Sections
Differentiation	Circle Geometry	Integration
Trigonometry	Sum and Difference Formulas, Double Angle Formulas, 't' Formulas	
Quadratic Functions		
Linear Functions	Division of an Interval in a Given Ratio	
	Polynomials	
The Parabola	Parameters	
Geometric Applications of the Derivative	Maximum and Minimum Problems	
Basic Arithmetic Sequences	Sequences and Series	
	Approximating Solutions for $P(x) = 0$	
	All Integration	
	Mathematical Induction	
	Trigonometric Functions	
	Exponential and Logarithmic Functions	
	Inverse Trigonometric Functions	