Year 11 Mathematics Methods Units 1 and 2
Assessment Outline

UNIT 1				
Assessment Weightings	**Tasks**	**Week**	**Weighting**	**Content description**
Response 24%	Test 1	Term 4 Week 9	4%	Sine & cosine rule, exact values, area $\Delta = 0.5ab\sin C$, arcs, sectors, segments, radians
	Test 2	Term 1 Week 7	6%	Domain & range, equation of line, (given m & c, 2 points, m & a point), direct proportion, parallel & perpendicular lines. Quadratic equations, key features of $y = a(x-p)^2 + q,\ y = a(x-b)(x-c),\ y = ax^2 + bx + c$ and their applications, completing the square. Solving and factoring quadratics. Sketching other graphs. Transformations of graphs.
	Test 3	Term 2 Week 2	10%	Degree of a polynomial. Sketching & recognizing key features of cubic functions, reciprocal functions and square root functions. Graphs of circles. Factorize & solve cubic equations. Circular & radian measure. Trig graphs & their transformations. Trig Proofs.
Investigation 6%	Investigation 1	Term 1 Week 4	6%	Application of functions
Examinations 15%	**Unit 1 Examination**	**Term 2 Wk 5-6**	**15%**	Unit 1
	SEMESTER 1 TOTAL		41%	

UNIT 2				
Assessment Weightings	**Tasks**	**Week**	**Weighting**	**Content description**
Response 16 %	Test 4	Term 3 Wk 3	10%	Sets and probability, Counting –multiplication principle, combinations, Pascal's triangle, Indices and exponential functions
	Test 5	Term 3 Wk 10	10%	Sequences & series, Rates of change, gradient at a point. Concept of a derivative. Calculating derivatives.
Investigation 14%	Investigation 2	Term 3 Wk 2	7%	Tangents
	Investigation 3	Term 3 Wk 8	7%	Area
Examinations 25%	**End of year examination**	**Term 4 Wk 3-4**	**25%**	**Units 1 and 2**
	SEMESTER 1 TOTAL		59%	
	YEAR TOTAL		100%	