

**Fort Street High School - Mathematics Faculty**  
**Yearly Planner: Extension 1 Mathematics Year 11**  
**Program Unit Guide 2016**

Term 1	Wk	Term 2	Wk	Term 3	Wk	Term 4
	1	Revision	1		1	Integration Ch 17 g) & h)
Basic Arithmetic, Algebra Ch's 1 - 2	2	<b>Assessment 1</b>	2	Trigonometry: Basic Review Ch's 7, 8 & 17(d,e) Plus: 3D Trig Bk 2 Ch 21(a) Trig eqns Bk 2 Ch 22	2	(continued)
Further Equations & Inequalities Inequalities with unknown in the denominator Ch 3 & Bk 2 23(a)	3	The Quadratic Function etc (cont)	3		3	Sequences & Series (not Financial Applications) Ch 11 plus Mathematical Induction Bk 2 Ch 23(c)
Plane Geometry & Circle Geometry Bk 2 Ch 4 & 20	4		4	Differential Calculus Ch 14 & 15	4	Parametrics Bk 2 Ch 24(b-c)
	5	Polynomials Bk 2 Ch 27	5	(includes Primitives, Iterative Methods, Geometrical Applications)	5	
	6		6	Calculus with Trig Ch 17 (f)	6	
Functions & Relations Ch 6 (inc. non-calculus graphing techniques)	7	Trigonometry: Radian Measure Ch 17(a - c)	7		7	
	8	Further Trig Bk 2 Ch 21(b,d,e) (sum & difference of angles - but not 3D Trig)	8	$(\lim_{\theta \rightarrow 0} \frac{\sin \theta}{\theta})$ Bk 2 Ch 24(d)	8	
Coordinate Geometry Ch 9 Plus Division of an Interval & Angle between 2 Lines Bk 2 Ch 23(b)	9	<b>Assessment 2</b>	9	<b>Prelim Final Assessment</b>	9	<b>HSC TASK 1</b>
	10	Trigonometry: (cont)	10	Integration Ch 16 Plus Trig Integration and Approximation Methods Ch 17 g) & h)	10	Consolidation as needed
The Quadratic Function, Locus and the Parabola Ch 10 & 12	11		11		11	

All Chapter references are to Fitzpatrick 2 Unit (the yellow book), except Bk2 refers to Fitzpatrick 3 unit (the green book)