

# Fort Street High School - Mathematics Faculty

## Yearly Planner: Year 10

### Program Unit Guide 2016

Term 1	Wk	Term 2	Wk	Term 3	Wk	Term 4	
	1	<b>Algebra Revision</b> Algebra Equations, Inequalities, Simultaneous Equations. (ch 5) <i>Algebra</i>	1	<b>Graphs</b> Non-Linear Equations (Ch 9) <i>Algebra</i>	1	<b>Extension</b> Curve sketching and Polynomials (Part of Ch 10) Algebra	
<b>Geometry</b> Deductive and Circle Geometry (Ch 6) <i>Geometry</i>	2	<b>Revision and Semester 1 Examination</b>	2	<b>Further Trigonometry</b> Trigonometry 3D Trig, 4 quadrants ASTC and graphs (Ch 7) <i>Measurement</i>	2		
	3		3		3		
	4	<b>Area and Volume</b> Composite Solids and Solids in Ratio (Ch 1 & 6) <u>Supplement:</u> New Century Yr 10 (Ch 2 Ex 2:11) <i>Measurement</i>	4	<b>Algebra</b> Quadratic Expressions and Equations; completing the square and quadratic formula (Ch 8) Algebra	4		<b>Revision &amp; Semester 2 Examination</b>
	5		5		5		
<b>Probability and Statistics</b> Probability (Ch 3) Bivariate data (Ch 4) <i>Statistics and Probability</i>	6	<b>Graphs</b> Non-Linear Equations (Ch 9) <i>Algebra</i>	6	Algebra Quadratic Expressions and Equations; completing the square and quadratic formula (Ch 8) Algebra	6	<b>Extension:</b> Further Algebra and Plane Geometry Grove or Fitzpatrick Ch's 1-4	
	7		7		7		
	8		8		8		
	9		9		9	9	<b>Extension:</b> Functions and Logarithms (Part of Ch 10) Number
10	10	10	10	10	10		
11	11		11		11		

Semester 1 Exam Topics		Semester 2 Exam Topics	
Probability and Statistics:	Probability	Measurement:	Surface Area & Volume
	Bivariate Data		Trigonometry
Algebra:	Linear Relationships	Algebra:	Non-linear Graphs
	Equations & Inequalities		Quadratics and Quadratic Equations
	Simultaneous Equations		Polynomials
Geometry:	Deductive Reasoning		
	Circle Geometry		

*Dates/weeks of tests subject to change - depends on the location of the double period each year - 90 minute exams.*