

Math & Ext1 Math 2018-2019

	Wk	Math Content	Syllabus	Outcome	
2017 Term 1 (Preliminary)	2	Arithmetic, Algebra, Surds and Equations	1.1-1.4	P2,3,4	
	3				
	4				
	5				
	6				
	7	Plane Geometry	2.1-2.4	P1,2,3,4	
	8				
	9				
	10	Linear Functions and Lines	6.1-6.5, 6.7	P2,3,4	
	11				
	2017 Term 2 (Preliminary)	1	Trigonometry	5.1-5.5	P1,2,3,4
2					
3					
4					
5					
6		Real Functions and Graphs	4.1-4.4	P2,3,4,5	
7					
8					
9		Introduction to Calculus	8.1-8.9	P2,3,4	
10					
2017 Term 3 (Preliminary)	1	Introduction to Calculus (cont.)	8.1-8.9	P2,3,4	
	2				
	3				
	4				
	5	Quadratics and Locus	9.1-9.5	P2,3,4	
	6				
	7				
	8				
	9	Preliminary Yearly Examinations			
	10				
Term 4 (HSC)	1	Cordinate Geometry	6.8		
	2	Application of Geometry	2.5		
	3	Integration	11.1-11.4	H1,3,5,8,9	
	4				
	5				
	6	Geometrical Applications of Calculus	10.1-10.8	H1,2,5,6,7,9	
	7				
	8				
	9				
	10	End of year			

Wk	Extension 1 Content	Syllabus	Outcome
2	Circle Geometry	2.6-2.10	PE2,3,6
3			
4			
5			
6	Harder Inequalities	1.4E	PE3
7	Polynomials	16.1-16.3	PE3,6
8			
9			
10			
11			
1	Angle between two lines	6.6	PE6
2	Division of an interval	6.7E	PE6
3	Further Trigonometry	5.6-5.9	PE1,2,6
4			
5			
6			
7	< Buffer Week >		
9	Permutations and Combinations	18.1	PE1,3
10			
1	Permutations and Combinations (cont.)	18.1	PE1,3
2			
3	Angle between 2 curves	6.6	PE5,6
4	Parametric Equations	9.6	PE2,3,4,5,6
5			
6			
7			
8	< Buffer Week >		
9	Preliminary Yearly Examinations		
10			
1	Polynomials 2	16.4	HE4
2			
3	Methods of Integration	11.5	HE4,6
4			
5	Inverse functions	15.1-15.5	HE1,4,6
6			
7			
8			
9	End of year		
10			

Math & Ext1 Math 2017-2018

	Wk	Math Content	Syllabus	Outcome
2018 Term 1 (HSC)	1	Exponential and Logarithmic functions	12.1-12.5	H2,3,6,9
	2			
	3			
	4			
	5	Trigonometric functions	13.1-13.7	H2,5,6,8,9
	6			
	7			
	8			
	9			
	10	Revision and Assessment		
2018 Term 2 (HSC)	1	Series and Applications	7.1-7.3, 7.5	H1,2,3,4,5,9
	2			
	3			
	4			
	5	Applications to Calculus to the Physical World	14.1-14.3	H1,2,4,5,9
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	10	Revision and Assessment		
2018 Term 3 (HSC)	1	Revision and Assessment		
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	Wk	Extension 1 Content	Syllabus	Outcome	
2018 Term 1 (HSC)	1	Mathematical induction	7.4	HE2	
	2				
	3				
	4	Harder Math (2U) [Curve sketching, Trig of small angles]	10.5E, 13.4E	HE1,3,4,7	
	5				
	6				
	7	Binomial theory	17.1-17.3,	HE1,2,3,7	
	8				
	9				
	10	Revision			
2018 Term 2 (HSC)	1	Binomial probability	18.2	HE1,2,3,7	
	2				
	3	Applications of Calculus to Physical World	14.1E, 14.2E, 14.3E, 14.4	HE1,3,4,5,7	
	4				
	5				
	6				
	7				
	8	Revision and Assessment			
	9	Revision and Assessment			
	10	Revision and Assessment			
2018 Term 3 (HSC)	1	Revision and Assessment			
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	9				