



**Carlingford High School**  
**Year 12 Mathematics Extension 1/2**

**2017/18**

**Program**

	<b><u>Maths Textbook</u></b>	<b><u>Ext 1 Textbook</u></b>	<b><u>Ext 2 Topics</u></b>
<b><u>Term 4</u></b> <ul style="list-style-type: none"> <li>Locus and Regions</li> <li>Parametric Equations and the Parabola</li> <li>Series and Applications</li> <li>Mathematical Induction</li> </ul>	(8 and 9)  (16)	(6)  (7)	Complex Numbers  Graphs
<b><u>Term 1</u></b> <ul style="list-style-type: none"> <li>Geometrical Applications of Differentiation</li> <li>Integral Calculus</li> <li>Exponential and Logarithmic Functions</li> </ul>	(12) (13) (14)		Graphs Conics Polynomials
<b><u>Term 2</u></b> <ul style="list-style-type: none"> <li>Trigonometric Functions</li> <li>Inverse Functions</li> <li>Integration Techniques</li> <li>Applications of Calculus to the Physical World</li> </ul>	(15)  (17)	(10) (9) (13)	Polynomials Integration Volumes
<b><u>Term 3</u></b> <ul style="list-style-type: none"> <li>Iterative Methods</li> <li>Binomial Theorem</li> <li>Probability/Further Probability</li> <li>Harder Applications</li> </ul>	(18)	(8) (11) (12) (14)	Mechanics  Harder 3U (Inequalities & Induction)
<b><u>Term 4</u></b> <ul style="list-style-type: none"> <li>HSC Exam!!</li> </ul>			