

**Wadalba Community School**  
**Year 11 2021**  
**Mathematics Advanced Pathway**

Year 11 Term 1 Mathematics Advanced									
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
First 3 dotpoints of F1.4 See Note 1 (below)	The topics below may require revision of prerequisite knowledge from Stage 5. <b>MA-F1 Working with Functions</b> <ul style="list-style-type: none"> <li>• F1.1 Algebraic techniques</li> <li>• F1.2 Introduction to functions</li> <li>• F1.3 Linear, quadratic and cubic functions</li> <li>• F1.4 Further functions and relations</li> </ul> <p style="text-align: center;">MA11-1, MA11-2, MA11-8, MA11-9</p>						<b>MA-T1 Trigonometry and Measure of Angles</b> <ul style="list-style-type: none"> <li>• T1.1 Trigonometry</li> <li>• T1.2 Radians</li> </ul> <p style="text-align: center;">MA11-1, MA11-3, MA11-8, MA11-9</p>		
Year 11 Term 2 Mathematics Advanced									
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
<b>MA-T2 Trigonometric Functions and Identities</b> MA11-1, MA11-4, MA11-8, MA11-9			See Note 3 (below) <b>MA-C1 Introduction to Differentiation</b> <ul style="list-style-type: none"> <li>• C1.1 Gradients of tangents</li> <li>• C1.2 Difference quotients</li> <li>• C1.3 The derivative function and its graph</li> <li>• C1.4 Calculating with derivatives</li> </ul> <p style="text-align: center;">MA11-1, MA11-5, MA11-8, MA11-9</p>						

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Year 11 Term 3 Mathematics Advanced									
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
<b>MA-E1 Logarithms and Exponentials</b> <ul style="list-style-type: none"> <li>• E1.1 Introducing logarithms</li> <li>• E1.2 Logarithmic laws and applications</li> <li>• E1.3 The exponential function and natural logarithms</li> <li>• E1.4 Graphs and applications of exponential and logarithmic functions</li> </ul> <p><b>Note:</b> Students need to differentiate exponential functions in E1.3 (above) before they start C1.2 (below) in Extension 1.  MA11-6, MA11-8, MA11-9</p>					<b>MA-S1 Probability</b> <ul style="list-style-type: none"> <li>• S1.1 Probability and Venn diagrams</li> </ul> MA11-7, MA11-8, MA11-9		<b>Revision Examinations</b>		
Year 11 Term 4 Mathematics Advanced									
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
<b>MA-S1 Probability</b> <ul style="list-style-type: none"> <li>• S1.2 Discrete probability distributions</li> </ul> MA11-7, MA11-8, MA11-9		<b>Commence Year 12 Advanced</b>							