



Ambarvale High School

MATHEMATICS Faculty Programs

Stage 6 – 2024

Year 11 Advanced

| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
|----------|--|---|---|---|--|---|--|--|---|----|----|--|
| Term | | | | | | | | | | | | |
| 1 | Algebraic Techniques <i>MA11-1, 8, 9 (F1.1)</i> | | | Equations & Inequalities <i>MA11-1, 8, 9 (F1.1)</i> | | | | Functions <i>MA11-1, 2, 8, 9 (F1.2, 1.3, C1.1)</i> | | | | |
| 2 | Trigonometry <i>MA11, 1, 8, 9 (T1.1, 1.2)</i> | | Further Functions <i>MA11-1, 2, 8, 9 (F1.4)</i> | | Intro to Calculus <i>MA11-1, 5, 8, 9 (C1)</i> | | Probability <i>MA11-7, 8, 9 (S1.1)</i> | | | | | |
| 3 | Exponentials and Logs <i>MA11-6, 8, 9 (E1.1, 1.2, 1.4)</i> | | Trig Functions <i>MA11-1, 3, 6, 8, 9 (T1.2, E1.3-4)</i> | | DPD* <i>MA11-7, 8, 9 (S1.1, S1.2)</i> | | REVISION | | | | | |
| 4 | HSC: Trigonometric Functions <i>MA12-1, 5, 9, 10</i> | | | | HSC: Applications of Differential Calculus <i>MA12-3, 6, 9, 10</i> | | | | | | | |

*DPD – Discrete Probability Distributions

| Summative Assessment | | |
|----------------------|-------------------|---|
| <i>Task</i> | <i>Date</i> | <i>Topics assessed</i> |
| In-class test | Term 1, Week 8 | Algebraic Techniques and Equations & Inequalities |
| Assignment | Term 2, Week 5 | Functions & Trigonometry |
| Yearly Exam | Term 3, Week 9/10 | All topics |

Name: _____

Class: _____