



Gorokan High School

Year 12 Assessment Schedule 2025-2026

Mathematics Extension 1

Task number	Task 1	Task 2	Task 3	Task 4	
Name of task	In Class Test	Investigative Assignment	Question Bank then In-class Test	Trial HSC Examination	
Timing	Term 4, Week 8	Term 1, Week 8	Term 2, Week 10	Examination Period	
Outcomes assessed	ME12-1, ME12-5, ME12-6, ME12-7	ME12-2, ME12-6, ME12-7	ME12-1 to ME12-7	ME12-1 to ME12-7	
Components	Task Weighting %				
Mathematical concepts, skills and techniques	10	10	15	15	50
Reasoning and communication	15	10	10	15	50
Total %	25	20	25	30	100

Course Outcomes:

- ME12-1** applies techniques involving proof or calculus to model and solve problems
- ME12-2** applies concepts and techniques involving vectors and projectiles to solve problems
- ME12-3** applies advanced concepts and techniques in simplifying expressions involving compound angles and solving trigonometric equations
- ME12-4** uses calculus in the solution of applied problems, including differential equations and volumes of solids of revolution
- ME12-5** applies appropriate statistical processes to present, analyse and interpret data
- ME12-6** chooses and uses appropriate technology to solve problems in a range of contexts
- ME12-7** evaluates and justifies conclusions, communicating a position clearly in appropriate mathematical forms