



Gorokan High School

Year 12 Assessment Schedule 2023-2024

Mathematics Extension 1

Task number	Task 1	Task 2	Task 3	Task 4	
Name of task	Investigative Assignment	In Class Test	Question Bank then In-class Test	Trial HSC Examination	
Timing	Term 1, Week 4	Term 1, Week 6	Term 2, Week10	Examination Period	
Outcomes assessed	ME12-1 – ME12-7 Various due to student elected topic area	ME12-1, 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	10	15	10	15	50
Total %	20	25	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