



**Gorokan High School**  
**Year 11 *Mathematics Extension 1***  
*Assessment Schedule 2025*

Task number	Task 1	Task 2	Task 3	
<b>Name of Task</b>	In-class test with summary sheet	Research Assignment	Yearly Examination	
<b>Task Due</b>	Term 1, Week 9	Term 2, Week10	Term 3, Weeks 9-10	
<b>Outcomes assessed</b>	ME11-1, ME11-2, ME11-5, ME11-6, ME11-7	ME11-1, ME11-2, ME11-6, ME11-7	All Outcomes	
Components	Task Weighting %			
Understanding, fluency and communication	17.5	12.5	20	<b>50</b>
Problem solving, reasoning and justification	17.5	12.5	20	<b>50</b>
<b>Total %</b>	<b>35</b>	<b>25</b>	<b>40</b>	<b>100</b>

## **Course Outcomes:**

**ME11-1** uses algebraic and graphical concepts in the modelling and solving of problems involving functions and their inverses

**ME11-2** manipulates algebraic expressions and graphical functions to solve problems

**ME11-3** applies concepts and techniques of inverse trigonometric functions and simplifying expressions involving compound angles in the solution of problems

**ME11-4** applies understanding of the concept of a derivative in the solution of problems, including rates of change, exponential growth and decay and related rates of change

**ME11-5** uses concepts of permutations and combinations to solve problems involving counting or ordering

**ME11-6** uses appropriate technology to investigate, organise and interpret information to solve problems in a range of contexts

**ME11-7** communicates making comprehensive use of mathematical language, notation, diagrams and graphs