



**Gorokan High School**  
**Year 12 Assessment Schedule 2022/2023**

*Mathematics Extension 2*

Task Number	Task 1	Task 2	Task 3	Task 4	
<b>Name of Task</b>	<b>Investigative Assignment</b>	<b>In Class Test</b>	<b>Question Bank then In-class Test</b>	<b>Trial HSC Examination</b>	
<b>Timing</b>	Term 1, Week 4	Term 1, Week 7	Term 2, Week 10	Examination Period	
<b>Outcomes Assessed</b>	<b>MEX12-1 to MEX12-5</b> Various due student elected topic area	<b>MEX12-1 to MEX12-3</b>	<b>MEX12-1 to MEX12-5</b>	<b>MEX12-1 to MEX12-8</b>	
<b>Components</b>	<b>Task Weighting %</b>				
Concepts, skills and techniques	10	10	15	15	<b>50</b>
Reasoning and Communication	10	15	10	15	<b>50</b>
<b>Total %</b>	<b>20</b>	<b>25</b>	<b>25</b>	<b>30</b>	<b>100</b>

## Outcomes:

**MEX12-1** understands and uses different representations of numbers and functions to model, prove results and find solutions to problems in a variety of contexts

**MEX12-2** chooses appropriate strategies to construct arguments and proofs in both practical and abstract settings

**MEX12-3** uses vectors to model and solve problems in two and three dimensions

**MEX12-4** uses the relationship between algebraic and geometric representations of complex numbers and complex number techniques to prove results, model and solve problems

**MEX12-5** applies techniques of integration to structured and unstructured problems

**MEX12-6** uses mechanics to model and solve practical problems

**MEX12-7** applies various mathematical techniques and concepts to model and solve structured, unstructured and multi-step problems

**MEX12-8** communicates and justifies abstract ideas and relationships using appropriate language, notation and logical argument