



**Gorokan High School**  
**Year 12 Assessment Schedule 2025-2026**  
*Mathematics Extension 2*

| 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 Examination  |            |
| Timing                                        | Term 1, Week 3                                               | Term 1, Week 10    | Term 2, Week 8                   | Examination Period |            |
| Outcomes assessed                             | MEX12-1 to MEX12-5<br>Various due student elected topic area | MEX12-1 to MEX12-3 | MEX12-1 to MEX12-5               | MEX12-1 to MEX12-8 |            |
| Components                                    | Task Weighting %                                             |                    |                                  |                    |            |
| Mathematical concepts, skills and techniques. | 10                                                           | 15                 | 10                               | 15                 | 50         |
| Reasoning and communication.                  | 10                                                           | 10                 | 15                               | 15                 | 50         |
| <b>Total %</b>                                | <b>20</b>                                                    | <b>25</b>          | <b>25</b>                        | <b>30</b>          | <b>100</b> |

## Course 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