**Sample Assessment Outline**

Mathematics Applications

ATAR Year 11

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# Sample assessment outline

# Mathematics Applications – ATAR Year 11

## Units 1 and 2

| **Assessment****type** | **Assessment****type****weighting** | **Assessment****task****weighting** | **Week/s** | **Assessment description** |
| --- | --- | --- | --- | --- |
| **Response** | 40% | 6% | Week 9 | Task 2: Test 1 – Consumer arithmetic, Algebra and matrices (1.1.1 – 1.1.8, 1.2.1 – 1.2.7) |
| 10% | Week 14 | Task 4: Test 2 – Shape and measurement (1.3.1 – 1.3.8) |
| 6% | Week 20 | Task 6: Test 3 – Making sense of data related to a single statistical variable (2.1.2 – 2.1.9) |
| 8% | Week 24 | Task 8: Test 4 – Comparing data for a numerical variable across two or more groups and trigonometric applications (2.1.10 – 2.1.12, 2.2.1 – 2.2.4) |
| 10% | Week 29 | Task 9: Assignment and in-class validation – Linear equations and graphs (2.3.1 – 2.3.10) |
| **Investigation** | 20% | 8% | Week 4 | Task 1: Investigation 1 – Students use the mathematical thinking process and course-related knowledge from Consumer arithmetic (1.1) to plan, research, conduct and communicate the findings of an investigation on investment |
| 5% | Week 10 | **Task 3:** Investigation 2 – Students use the mathematical thinking process to plan, select, adapt and apply models and procedures using data in matrices (1.2) to solve a problem |
| 7% | Week 22 | **Task 7:** Investigation 3 – Students use the mathematical thinking process and the statistical investigation process to plan, research, conduct and communicate the findings of an investigation involving the analysis of univariate data (2.1) |
| Examination | 40% | 15% | Week 16 | Task 5: Semester 1 examination – Section One: Calculator-free (35%), Section Two: Calculator-assumed (65%).Question selection from Unit 1 content knowledge, skills and processes |
| 25% | Week 30 | **Task 10: Semester 2 examination** – Section One: Calculator-free (35%), Section Two: Calculator-assumed (65%).Question selection from Unit 1 and Unit 2 content knowledge, skills and processes |
| Total | 100% | 100% |  |  |