Government of **Western Australia**
School Curriculum and Standards Authority

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 6	**Task 2:** Test 1 – Applications of rates and percentages and use of spreadsheets (1.1.1 – 1.1.8)
		5%	Week 9	**Task 3:** Test 2 – Linear and non-linear expressions, matrices and matrix arithmetic (1.2.1 – 1.2.3, 1.2.4 – 1.2.7)
		8%	Week 14	**Task 5:** Test 3 – Shape and measurement (1.3.1 – 1.3.8)
		8%	Week 20	**Task 7:** Test 4 – Making sense of data related to a single statistical variable (2.1.2 – 2.1.9)
		6%	Week 25	**Task 9:** Test 5 – Comparing data for a numerical variable across two or more groups and trigonometric applications (2.1.10 – 2.1.12, 2.2.1 – 2.2.3)
		7%	Week 29	**Task 11:** Assignment and in-class validation – Linear equations and graphs (2.3.1 – 2.3.1)
Investigation	20%	5%	Week 4	**Task 1:** Investigation 1 – Preparation activity with in-class validation: Consumer arithmetic, investment strategies/personal budgets
		4%	Week 10	**Task 4:** Investigation 2 – In-class investigation: storing and using data in matrices to solve problems
		6%	Week 21	**Task 8:** Investigation 3 – Plan, research and communicate findings using the statistical investigation process for univariate data analysis
		5%	Week 23	**Task 10:** Investigation 4 – In-class investigation: Applications of trigonometry
Examination	40%	15%	Week 16	**Task 6: 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 12: 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%**		