SAMPLE ASSESSMENT OUTLINE

MATHEMATICS METHODS
ATAR YEAR 11

**Acknowledgement of Country**

Kaya. The School Curriculum and Standards Authority (the Authority) acknowledges that our offices are on Whadjuk Noongar boodjar and that we deliver our services on the country of many traditional custodians and language groups throughout Western Australia. The Authority acknowledges the traditional custodians throughout Western Australia and their continuing connection to land, waters and community. We offer ourrespect to Elders past and present.

**Disclaimer**

Any resources such as texts, websites and so on that may be referred to in this document are provided as examples of resources that teachers can use to support their learning programs. Their inclusion does not imply that they are mandatory or that they are the only resources relevant to the course.

Sample assessment outline

Mathematics Methods – ATAR Year 11

Unit 1 and Unit 2

| Assessment type | Assessment Type weighting | Assessment Task weighting | Week | Assessment task |
|---|---|---|---|---|
| **Response** | 40% | 10% | Week 5 | **Task 1:** Test 1 – Counting and probability (1.1) and Lines and Linear Relationships (1.2.1 – 1.2.2) |
| | | 7% | Week 14 | **Task 3:** Test 2 – Functions and graphs (1.2.3 – 1.2.24) and Trigonometric functions (1.3) |
| | | 13% | Week 22 | **Task 5:** Test 3 – Exponential functions (2.1) and Arithmetic and geometric sequences and series (2.2) |
| | | 10% | Week 28 | **Task 7:** Test 4 – Computation and Properties of Derivatives, Applications of Derivatives (2.3.10 – 2.3.21) |
| **Investigation** | 20% | 10% | Weeks 9–10 | **Task 2:** Investigation 1 – Students use the mathematical thinking process and course-related knowledge from Functions and graphs (1.2) to plan, research, conduct and communicate the findings of an investigation |
| | | 10% | Week 24 | **Task 6:** Investigation 2 – Students use the mathematical thinking process and identify the underlying mathematics related to rates of change to investigate the concept of the derivative (2.3.1 – 2.3.9) |
| **Examination** | 40% | 15% | Week 15 | **Task 4: 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 8: 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%** | | |