**Sample Assessment Outline**

Mathematics Essential

General Year 12

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# Sample assessment outline

# Mathematics Essential – General Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment type (from syllabus)** | **Assessment type weighting  (from syllabus)** | **Assessment  task weighting** | **When** | **Assessment task** |
| Response | 40% | 8% | Semester 1  Week 8 | **Task 2:** Test 1 – Linear and area measure, volume and capacity, scale, plans, Pythagoras’ Theorem and Trigonometry: 3.1.1–3.1.7, 3.2.1–3.2.16 |
| 8% | Semester 1  Week 15 | **Task 6:** Test 2 – Graphs, linear functions, sampling, bivariate data: 3.3.1–3.3.10, 3.4.1–3.4.19 |
| 12% | Semester 2  Week 9 | **Task 8:** Test 3 – Probability, relative frequency, sample spaces, predicting proportions and number of outcomes, problem solving involving distance between places on earth and time zones:  4.1.1–4.1.11, 4.2.1–4.2.9 |
| 12% | Semester 2  Week 15 | **Task 11:** Test 4 – Compound loans and investments: 4.3.1–4.3.8 |
| Practical applications/  Statistical investigation process | 45% | 7% | Semester 1  Week 4 | Task 1: Practical application 1 – Rainwater collection project: Use the mathematical thinking process and select content from 3.1.1–3.1.7 to complete the task |
| 7% | Semester 1  Week 8 | Task 3: Practical application 2 – In class task: Ramps – Use the mathematical thinking process and select content from 3.2.12–3.2.16 to complete the task |
| 7% | Semester 1  Week 14 | **Task 5:** Statistical investigation 1 – Use the statistical investigation process and select content from 3.4.3–3.4.19 to determine the relationship between two variables |
| 12% | Semester 2  Week 5 | **Task 7:** Statistical investigation 2 – Use the statistical investigation process and select content from 4.1.1– 4.1.11 to determine the outcome of an event |
| 12% | Semester 2  Week 14 | **Task 10:** Practical application 3 – Investment/loans project:Use the mathematical thinking process and select content from 4.3.1–4.3.8 to complete the task |
| Externally  set task | 15% | 15% | Semester 1  Week 12 | **Task 4:** A task set by the SCSA based on the following content from Unit 3 – <teacher to insert information provided by the Authority> |
| **Total** | **100%** | **100%** |  |  |