**Sample Assessment Outline**

Agricultural Science and Technology

ATAR Year 11

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# Sample assessment outline

# Agricultural Science and Technology – ATAR Year 11

## Unit 1 and Unit 2

| **Assessment type (from syllabus)** | **Assessment type weighting (from syllabus)** | Assessment task weighting | **When/due date/start and submission date** | **Assessment task** |
| --- | --- | --- | --- | --- |
| Science inquiry | **15%** | 10% | Semester 1 Week 6 startWeek 11 due | **Task 2:** Salinity investigation – students plan, conduct and prepare a report on an investigation into the effect of salinity on germination rates and growth of selected plants |
| 5% | Semester 2 Week 3 | **Task 5**: Ruminant feed additives for methane reduction – students analyse second-hand data on methane emissions from ruminant livestock and the effects feed additives may have on emissions |
| Project | 20% | 10% | Semester 1Week 5 startWeek 7 due | Task 1: Resource conservation and management – students research one major land or water degradation issue in an agricultural region of WA, its effect on production, and strategies to mitigate the problem and to improve and maintain the land or water |
| 10% | Semester 2Week 8 startWeek 9 due | Task 7: Animal health – students research the impacts and management practices for one pest and one disease for an animal production enterprise |
| Test  | **25%** | 10% | Semester 1Week 13 | Task 3: Plant structure and function and genetics and inheritance of traits test – test includes multiple-choice, short answer and extended answer questions |
| 15% | Semester 2Week 7 | **Task** **6**: Animal digestion and nutrition and reproduction cycle of selected production animals test – test includes multiple-choice, short answer and extended answer questions |
| Examination | 40% | 15% | Examination week Semester 1 Week 16 | **Task 4:** Semester 1 examination (2 hours ) – Covers Unit 1 contentBased on the Year 12 examination design brief  |
| 25% | Examination week Semester 2 Week 16 | Task 8: Semester 2 examination (2.5 hours) – Covers Units 1 and 2 content with approximately 30% Unit 1 and 70% Unit 2Based on the Year 12 examination design brief |
| Total | 100% | 100% |  |  |