Sample Assessment Outline

Agricultural Science and Technology

ATAR Year 12

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Sample assessment outline

Agricultural Science and Technology – ATAR Year 12

Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Assessment type  (from syllabus) | Assessment type weighting (from syllabus) | Assessment task weighting | Start and submission dates | Assessment task |
| **Science inquiry** | 15% | 8% | Semester 1  Week 4 start  Week 5 due | **Task 1:** Investigating transpiration – students design and conduct an investigation to explore factors that affect the rate of transpiration |
| 7% | Semester 2  Week 13 | **Task 7:** Animal growth and development data analysis – students analyse second-hand data on the effect of feed additives/supplements on growth rates of an agricultural production animal |
| **Project** | 15% | 7.5% | Semester 1  Week 13 start  Week 15 due | **Task 3:** Integrated pest management plan – students develop an integrated pest management plan for one weed, invertebrate pest, or pathogen for a chosen plant production system |
| 7.5% | Semester 2  Week 1 start  Week 3 due | **Task 5:** Food security – students research opportunities for developments and improvements which can be used to address the issues of food security, including new and upcoming technologies and strategies to mitigate soil problems such as salinity, erosion and acidity relevant to an agricultural region of WA |
| **Test** | 20% | 8% | Semester 1  Week 10 | **Task 2:** Plant growth – test includes multiple-choice, short-answer and extended-answer questions |
| 12% | Semester 2  Week 11 | **Task 6:** Breeding and improvement, plant and animal reproduction and breeding – test includes multiple-choice, short-answer and extended-answer questions |
| **Examination** | 50% | 20% | Examination week  Semester 1  Week 16 | **Task 4:** Semester 1 examination – Units 3 and 4 content covered during Semester 1  Three hours, using the examination design brief from the syllabus  Section One: 15 multiple-choice questions (15%)  Section Two: 7–10 short-answer questions (55%)  Section Three: Two questions from a choice of four (30%) |
| 30% | Examination week  Semester 2  Week 14 | **Task 8:** Semester 2 examination – Units 3 and 4 content with approximately 50% Unit 3 and 50% Unit 4  Three hours, using the examination design brief from the syllabus  Section One: 15 multiple-choice questions (15%)  Section Two: 7–10 short-answer questions (55%)  Section Three: Two questions from a choice of four (30%) |
| **Total** | **100%** | **100%** |  |  |