



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

## SAMPLE ASSESSMENT OUTLINE

---

AGRICULTURAL SCIENCE AND TECHNOLOGY  
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 our respect to Elders past and present.

## **Copyright**

© School Curriculum and Standards Authority, 2023

This document – apart from any third-party copyright material contained in it – may be freely copied, or communicated on an intranet, for non-commercial purposes in educational institutions, provided that the School Curriculum and Standards Authority (the Authority) is acknowledged as the copyright owner, and that the Authority's moral rights are not infringed.

Copying or communication for any other purpose can be done only within the terms of the *Copyright Act 1968* or with prior written permission of the Authority. Copying or communication of any third-party copyright material can be done only within the terms of the *Copyright Act 1968* or with permission of the copyright owners.

Any content in this document that has been derived from the Australian Curriculum may be used under the terms of the [Creative Commons Attribution 4.0 International licence](#).

## **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. Teachers must exercise their professional judgement as to the appropriateness of any they may wish to use.

## 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 start Week 11 due	<b>Task 2:</b> 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	<b>Task 5:</b> 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 1 Week 5 start Week 7 due	<b>Task 1:</b> 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 2 Week 8 start Week 9 due	<b>Task 7:</b> Animal health – students research the impacts and management practices for one pest and one disease for an animal production enterprise
Test	25%	10%	Semester 1 Week 13	<b>Task 3:</b> Plant structure and function and genetics and inheritance of traits test – test includes multiple-choice, short answer and extended answer questions
		15%	Semester 2 Week 7	<b>Task 6:</b> 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	<b>Task 4:</b> Semester 1 examination (2 hours) – Covers Unit 1 content Based on the Year 12 examination design brief
		25%	Examination week Semester 2 Week 16	<b>Task 8:</b> Semester 2 examination (2.5 hours) – Covers Units 1 and 2 content with approximately 30% Unit 1 and 70% Unit 2 Based on the Year 12 examination design brief
<b>Total</b>	<b>100%</b>	<b>100%</b>		