



Highfields State
Secondary College

Semester 1 Course Overview

Faculty: Science
Subject: Agricultural Practices
Year level: 12

Course Outline

Agricultural Practices provides opportunities for students to explore, experience and learn knowledge and practical skills valued in agricultural workplaces and other settings. Through these learning experiences, students build their understanding of expectations for work in agricultural settings and develop an understanding of career pathways, jobs and other opportunities available for participating in and contributing to agricultural activities. Agriculture is a dynamic field of science that deals with plant agronomy, animal husbandry and sustainable management of agricultural production systems. The sophistication of agricultural production systems is constantly increasing to meet the changing needs of society.

- Investigating
- Planning
- Execution
- Evaluation

Semester 1	
Term 1	Term 2
<p>Animal Agribusiness: In this unit, students examine management of animal production, business challenges and opportunities across the animal food and fibre supply chain, with a focus on sustainability. Students consider a range of influences on the decisions of animal producers. They consider the role of strategic business planning and the effective use of marketing and communications tools. Students research quality assurance programs and regulations relating to sustainable animal food and fibre industries.</p> <p>Assessment Practical Project: Your task will be to produce a grain-fed lamb/steer that meets the market specifications and requirements for processing and consumption. This will be achieved by selecting the correct feed to feed the animal, maintaining a high standard of animal health care and welfare, performing correct animal husbandry practices and measuring and monitoring the animal's growth rate.</p>	<p>Plant Industries: In this unit, students are introduced to plant industries that are valued by Australians for economic, cultural and social reasons. Students explore different plant industries that are significant in their local or regional area and consider factors to achieve long-term sustainability. Students investigate environmental degradation and approaches to sustainable land management and rehabilitation. Students analyse influences on the establishment of industries and explore career pathways and opportunities.</p> <p>Assessment Practical Project: Your task will be to design and construct a fence suitable for sustainably managing pastures, crops or rehabilitation areas.</p> <p>Choose 1 of the following:</p> <ol style="list-style-type: none">1. Multipurpose Cattle/sheep/goat fence2. Portable Electric fence3. Cattle fence