



# Year 9 Agricultural Science



## Overview

Year 9 Agricultural Science is an elective subject that will be studied for two semesters. This course aims to introduce students to the scientific aspects of agriculture. Students will learn the importance of agriculture to our future food security. Consequently, a core theme of the course will be sustainability of food production.

Students will be involved some plant trials and learn many aspects of food production. Approximately half the lessons will be spent at the Bunya Campus.

Agricultural Science develops students' knowledge and understanding of scientific principles within the specialised area of agriculture. It is designed for students interested in managing their own farm, pursuing a professional career in one of the many agricultural fields or has a strong interest in agriculture. This subject also complements the other science subjects. Students will be involved with animal husbandry, crop trials, animal breeding programs, field observations and agriculture based experiments.

After year 9 students can continue studying Agricultural Science through to year 12 or choose the more skills based pathways which include certificate courses and Agricultural Practices. In years 11 and 12, students may also choose to follow one of the school's signature programs of Agricultural Professionals or Agricultural Futures.



## Topics studied

<b>Market Garden</b>	Students will learn how to propagate vegetable seedlings and learn how to grow vegetables. They will learn which seasons vegetables grow best in and their fertiliser requirements.
<b>Poultry</b>	Students will learn chicken physiology and how eggs are produced. They will also compare chickens grown for meat and chickens grown for egg production.
<b>Lamb Production</b>	Students will study the physiology of sheep and their diseases. They will learn the different breeds of sheep and sheep products. They will also investigate a sheep feed trial.
<b>Cotton and other fibres</b>	Students will discover how we can grow plants for fibre. The core focus will be cotton – its physiology, requirements and how we grow cotton – but it will be compared to other fibres, in particular bamboo, as part of the school's bamboo project.

## Study Pathways

