

## WHY STUDY STAGE 6 AGRICULTURE?

The aim of the Stage 6 Agriculture is to develop students' knowledge and understanding of agricultural enterprises and the practices and skills required in producing plant and animal products. Students will develop skills in the effective management of sustainable production and marketing practices that are environmentally and socially responsible.

The major emphasis is on students being actively involved in the practical and theoretical application of knowledge, understanding and skills to agricultural enterprises.

The essential content integrates the study of interactions, management and sustainability within the context of agricultural enterprises. Students will also need to undertake a range of related practical activities.

**Interactions** — the relationship between biological, physical and social components in agriculture. Fundamental to balance the economic viability while sustaining the biological and physical basis of the farming systems employed.



**Management** — informed decision-making and effective management of agricultural enterprises. Physical, biological, economic, environmental and social factors must be considered in the management of agricultural enterprises.

**Sustainability** — practices that conserve soil and water quality and protect the environment, assure adequate and safe food supplies to consumers, while generating profitable returns for producers.

**Agricultural enterprises** are characterised by the production and sale or exchange of agricultural goods or services. Agricultural enterprises may focus on plants or animals or integrated plant/animal systems. You will study a selection of agricultural enterprises that may include those that are important to students' local environment or region and some that extend students' knowledge about the broad context of Australian agriculture. Both intensive and extensive enterprises are incorporated into the course of study for students to gain an understanding of the diverse nature of Australian agriculture.



## Primary Industries Certificate II Agriculture

The Primary Industries HSC course involves a combination of knowledge and skills in areas such as safety, preparation and safe use of chemicals, interpreting weather, sustainability and working effectively in the primary industries sector. The aim is for students to acquire a range of technical, personal and organisational skills valued both within and beyond the rural workplace.

There are two years available for study:

### Preliminary 3 CORE Units

- Participate in  
WHS Processes
- Participate in  
Environmentally Sustainable Work  
Practices
- Work  
Effectively in the Industry

### 5 Elective Units

- Operate Basic  
Machinery and Equipment
- Apply  
Chemicals under  
Supervision
- Treat Weeds
- Participate in Workplace Communications
- Observe and Report on Weather

Work Placement- 35 hours

#### **Primary Industries (120 indicative hours)**

This course will give you:

- a total of 2 units of HSC credit
- a partial qualification in Certificate II or III qualifications in the Framework

## HSC

### 10 Elective Units

- Care for Health and Welfare of Livestock

- Identify and Mark Livestock

- Carry out Regular Livestock Observation

- Handle Livestock using Basic Technique

- Carry out Basic Electric Fence Operations

- Install, Maintain & Repair Fencing

- Provide Feed for Livestock

- Monitor Water Supplies

- Inspect and clean machinery for plant, animal

and soil material

#### **Primary Industries (240 indicative hours)**

This course will give you:

- a total of 4 units of HSC credit
- a pathway to Certificate II or III qualifications in the Framework
- 2 units of credit towards your ATAR (if you choose to sit for the Primary Industries HSC examination)

- Operate tractors
- Operate machinery and equipment

Work Placement - 35 hours

## **Here are 10 reasons why you should consider studying Agriculture and Primary Industries**

### **1. Youth is getting interested more in agriculture**

The trend is growing. Support for the agriculture sector is increasing. The list of reasons is endless. Attitudes toward agriculture are already changing. Young people are also increasingly speaking up for themselves on why they choose agriculture.

### **2. Agricultural research needs young brainpower**

Today, more than before, climate change and a growing demand for nutritious food are for fresh ideas and renewed knowledge to explore ICT in agriculture, foster climate-smart agriculture and innovate in the sector to power future growth.

### **3. It is now a field vibrant with effective innovations**

Agriculture in the developed world has become a field vibrant with effective innovations, thanks to a growing number of young techie minds that make it happen.

### **4. There are a lot of opportunities for young entrepreneurs**

In Australia where there are enough land resources, the young entrepreneur should be encouraged to agriculture as an untapped resource of development.

### **5. Agriculture has the power to develop the world**

When it comes to fighting poverty, agriculture is more effective than other sectors. Agriculture is up to four times more effective than other sectors in reducing poverty.

## **6. Agriculture is not a risky sector to venture into**

Young people need to see live examples of other youth who made it in agriculture before they can believe what they can do.

## **7. No Farmer No Food No Future!**

Agriculture has enormous potential for eradicating poverty, needs youthful energy and passionate team players.