

Why study Agriculture?

The future of agriculture depends on smart management and clever innovations using new technology.

The course provides students with the opportunity to enjoy practical skills while furthering their knowledge of agricultural systems.

Numerous career pathways are available and students of all abilities are capable of securing their chosen field.



Careers in Agriculture

Occupations where a study of Agriculture would be useful are endless, but could include: -

Agricultural Economist
Agricultural Engineer
Agricultural Scientist
Agriculture Teacher
Agronomist
Gardner
Forester
Horticulturist
Fruit Orchardist
Ranger, National Park
Stock and Station Agent
Farmer



www.melville-h.schools.nsw.edu.au

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AGRICULTURE

Agriculture is the study of growing food and fibers for our ever growing population.

You don't need to want to be a farmer to do Agriculture.

Preliminary Course

CORE TOPICS

Overview and Farm Case Study

Climate and resource interactions, production, management, marketing and technology

Animal Production

Commercial production, climate and resource interactions, microbes, technology and experimental design

Plant Production

Commercial production, climate and resource interactions, microbes, technology and experimental design



HSC Course

CORE TOPICS

Plant/Animal Production

Sustainable resource management, production management, reproduction and genetics, diseases, experimental analysis

Farm Product Study

Farm as a business, decision making, technology and marketing

OPTION TOPICS

One topic below will be chosen by the class.

- **Agri-Food, Fibre and Fuel Technologies-** Biotechnology and genetic engineering
- **Climate Challenge-** climate variability and its effects on agriculture
- **Farming for the 21st Century-** new & innovative agricultural technology



Course Specific details

To support learning in Agriculture some experiences which **may** be offered in the study of this course include: -

- Industry Guest Speakers
- Sydney Royal Easter Show
- Excursions to local farms
- Animal handling
- Cattle and Poultry Shows
- Ag-quip Excursion
- Growing your own field crop



Further information about the course content and outcomes can be obtained from the website below.
http://www.boardofstudies.nsw.edu.au/syllabus_hsc/agriculture.html#syllabus