



Horticulture

Description

This unit is designed to provide students with an understanding of the operations and practices of agricultural and horticultural systems. The study has a focus on sustainable farming practices and permaculture. Students will learn about the relationships between plants, animals, soil and water. The elective has been designed to have a large practical component, which allows students to have “hands on” experience with farm animals and plants.

Unit Topics

- Plant and animal growth and development
- Plant and animal genetics and breeding
- Plant and animal production
- Pests, diseases and disorders
- Soil and water chemistry
- Research study based on an agricultural or horticultural industry.

Throughout the study students will have the opportunity to develop skills in experimental design, garden development, propagation techniques, animal handling, research and presentation of scientific concepts and relevant issues related to the agricultural industry.

Skill Development

- Safe use of tools
- Garden design
- Propagation techniques
- Soil Analysis
- Science behind plant growth
- Working with animals
- Team work
- Adaptability
- Hydroponic growing techniques

Possible Assessment Tasks

Participation in garden development, presentations, research tasks, garden planning

Activities/Camps/Excursions

Field trip to a farm/ parks/ gardens, In Semester 1 - Farm World, Practical Investigations, Propagation practices

Career Options

Horticulturalist, Nursery person, Farmer, Farm Hand, Agronomist