



# Ambury Regional Park

Secondary school programmes

Learning through Experience 2011

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Secondary schools

# Ambury Regional Park

bookings available Tuesday to Friday

## Animal Genetics

Year 11

Available Term 1 only

### Key concepts

Modern uses of genetics in livestock breeding.

### Description

This programme provides the opportunity to gather and process information on how market forces drive the farming economy and initiate farming changes.

Students learn the effects of genetic breeding on stock, the

concept of dominant and recessive genes and how to identify different breeds of sheep and cattle. They also examine the properties and use of different types of wool and learn the principles of drafting sheep.

### Learning areas

**Science:** Living World Levels 6-8

**Social Sciences:** Economics Level 6

**Cost** \$2 per student

**Resource** Genetics

For a full day experience, combine this programme with Plant and Animal Management.





## Farming Technology

Year 9

Available Term 1 and 4

### Key concepts

Changes in New Zealand farming technology.

**Description** See page 10 for details.

### Learning areas

**Social Sciences:** The Economic World Level 5

**Technology:** Nature of Technology Level 5

**Cost** \$2 per student (one class only)

## Volcanic Hazards and Landforms

Year 11

### Key concepts

Processes involved in the formation of volcanoes; plate tectonics; hazard management; how people have changed the landscape over time.

### Description

Explore the volcanic features of Mangere Mountain, the only intact volcanic cone in Manukau.

Students simulate the processes of a volcanic eruption and lava flow and study the impact made by humans on the landscape. At Ambury Regional Park, they explore a lava cave and consider the hazards that may be created by a localised volcanic eruption - how can these be predicted, managed and the impact minimised on people and the environment?

### Learning areas

**Social Sciences:** Geography Levels 6-7

**Sciences:** Planet Earth and Beyond Levels 5-7

**Cost** \$5 per student (full day)

## Plant and Animal Management

Year 11

### Key concepts

Biological factors that affect the production of animals; sustainable management practices and technologies that are used to control the biological factor.

### Description

Students identify a range of animal healthcare equipment and discuss how it is used. They construct an electric fence and carry out tests to determine the variety of plants in a pasture sample, soil, PH, and learn about problems that may occur with pasture management.

### Learning areas

**Science:** Living World Levels 4-6

**Technology:** Nature of Technology Levels 4-6

**Cost** \$2 per student

