

Curriculum Goals:

The Level 3 Environmental Science programme is designed to bring science to life through a series of field-based, environmental investigations. The programme focus is on developing an understanding of environmental science, environmental management and traditional Maori environmental management practices.

Underpinning the curriculum is the development of crucial personal and social development skills transferable to any vocational pathway.

Programme Delivery:

This course is delivered in a 4 day residential block format, with four blocks in total. Each block is four days in length. Further course information can be found on the Whenua Iti Outdoors website:

www.whenuaiti.org.nz

Personal and Social Development Objectives:

- Increasing willingness to learn
- Understanding and assuming personal responsibility
- Developing belief in self and increasing confidence
- Developing a positive attitude
- Recognising and developing potential
- Developing resilience skills (coping with challenge and change)
- Developing positive communication skills

Learning Objectives:

- Describe the ecological niche of an animal species.
- Investigate and report a variable of an animal species' ecological niche.
- Describe the ecological niche of a plant species.
- Investigate and report a variable of a plant species' ecological niche.
- Explain kaitiakitanga in terms of how Māori interact with the natural environment.
- Explain the use of tikanga Māori as part of exercising Kaitiakitanga.
- Plan a local Kaitiakitanga activity.
- Carry out a local kaitiakitanga activity.
- Evaluate a local kaitiakitanga activity.
- Describe a native freshwater and a native marine fish or shellfish species.
- Describe the use of a native freshwater and a native marine fish or shellfish species as kai.
- Explain harvesting and processing of a native freshwater and a native marine fish or shellfish species.

Environmental Science – Level 3

Course Outline

Version: 16/01/2019



Assessment*

Unit No	Title	Level	Credits	Version
6315	Complete an investigation into the ecological niche of an animal species, with guidance	3	4	6
6314	Complete an investigation into the ecological niche of a plant species, with guidance	3	4	6
6143	Carry out a local kaitiakitanga activity with direction	3	6	6
6142	Explain kaitiakitanga in relation to the way Māori interact with the natural environment	3	4	6
15992	Explain harvesting and processing of a native freshwater and a native marine fish or shellfish species for kai	2	3	4
Total NZQF Credits			21	

**Please note some assessments may change.*

Methods of Assessment	Requirement for Successful Completion
Assessment will include:	To successfully complete the course, the student must:
<ul style="list-style-type: none"> • Practical demonstrations • Workbook Completion • Oral presentations 	<ul style="list-style-type: none"> • Successfully complete a minimum of 15 credits • Attend a minimum of three blocks.