



# LEVEL 2 ENVIRONMENTAL SCIENCE

## 2EVS

### What is this course about?

Education in, about, and for the environment and the science behind it. In this course you will be exploring the relationship between people and the environment, including how we can better manage Earth's resources and find solutions for human impact.. You will develop the knowledge, skills and attitudes needed to understand how the use of science can inform the management of our environment.

### What sorts of things will I do?

Students will gain the understanding needed to act in ways that safeguard both people and the planet. You will learn about the environmental, social, cultural, and economic aspects of sustainability and develop key transferable skills that employers value highly including in primary industries and science related careers requiring an understanding of sustainability. You will work both in class, the lab, and the environments being investigated

### Significant Learning

#### Significant Learning

- Engage with the iterative process of science investigation through innovation, problem solving, inquiry, collaboration, and evaluation
- Recognise how different approaches can be used in science investigations
- Consider mātauranga Māori and Pacific knowledges alongside science in contexts that relate to Aotearoa New Zealand and the Pacific
- Identify interrelationships between science practices, technological advances, mātauranga Māori, and the practical advancement of science knowledge
- Recognise that science ideas are developed through critical and creative thinking, regulated by evidence
- Recognise that science ideas are communicated using language, symbols and texts specific to it
- Consider how the values and needs of a society can influence the focus of science endeavours
- Use science understanding to critique claims or predictions made in communicated information

### Nga Rau o Te Whariki o ASHS

Rangatiratanga (self-determination) supports ākonga to achieve. Thinking and meaning-making are promoted. Learning is meaningful and connected.

To experience success, students will have opportunities to develop their learning dispositions through:

#### Engagement:

- Use of inquiry approaches to direct learning.
- Consider multiple perspectives on controversial topics to help formulate and understand their personal perspectives.
- Student agency is encouraged by utilising tuakana to guide teina. This includes modelling, guidance, and practice opportunities.

#### Managing self:

- Overcome roadblocks in learning by building resilient behaviours.
- Use peer-to-peer evaluation, inquiry-based learning, and input into assessment design to support the development of characteristics of leadership of self.

#### Learning relationships:

- Use of ako and tuakana-teina to lead learning activities.
- Engage in feedback loops that are purposeful, constructive, and acknowledge effort and achievement.

## What standards can I enter?

Your teacher will work with the whole class and with you to devise a learning programme that is responsive to your strengths, interests, and one that sets you up to aim high and achieve your potential.

NCEA	Standard Number	Name of standard	Assessment mode	Credits (W/R)	Time frame
2	91187	Carry out a practical Earth and Space Science investigation	Internal: Practical in class report	4	Semester 1
2	90811	Explain how human activity in a biophysical environment has consequences for a sustainable future	Internal: Research report	4 R	Semester 1
2	91289	Carry out an extended practical agricultural or horticultural investigation	Internal: Practical in class report	4	Semester 2
2	91298	Report on the environmental impact of the production of a locally produced primary product	Internal: Research report	4	Semester 2

At Level 2, UE literacy becomes an important qualification for those students with a view to attending university. Level 2 English offers many standards that contain both the reading and writing credits necessary for this qualification.

Key for Credits column:

R - UE reading literacy

W - UE writing literacy