

Subject:	Biology
NCEA Level:	Two
Teacher to Contact:	Mrs J Williamson Code: BIO220

Standard		Title	Credits
AS 2.1	I	Carry out a practical investigation in a biology context, with supervision.	4
AS 2.6	I	Investigate a pattern in an ecological community.	4
AS 2.8	I	Investigate biological material at the microscope level.	3
AS 2.3	I	Demonstrate understanding of adaption of plants or animals to their way of life.	3
AS 2.4	E	Demonstrate understanding of life processes at the cellular level.	4
AS 2.5	E	Demonstrate understanding of genetic variation and change.	4
AS 2.7	E	Demonstrate understanding of gene expression.	4

**E means the Achievement Standard is assessed externally at the end of the year.
I means the Achievement Standard is assessed internally.**

What will I learn?

The course covers ecology, diversity of plants or animals, cell biology, genetics and evolution, applied biology and resource management.

How will I learn?

You will learn through practical work, fieldwork, research assignments, experiments and theory lessons.

What should I have already done?

You must have achieved NCEA Level 1 Science Achievement Standard 90948.

Where does the subject lead?

This subject leads to NCEA Level 3 Biology. It is also a pre-requisite for courses at tertiary level including polytechnic, universities and college of education. Level 2 Biology is also seen as a valuable asset for entry into many careers.

How is the course assessed?

The course is assessed through field work, practical tests and assessments, written assignments, tests and exams.

Other details: (costs, field trips etc)

Fieldwork is an integral part of the course; students will be expected to pay any transport costs for field trips. Students are required to purchase a write-on manual which costs \$25.00. Exercise books and a scrap book are also required.

End of course qualifications.

Credits towards the National Certificate of Educational Achievement Level 2.