

**KAIKOHE CHRISTIAN SCHOOL
2019 COURSE INFORMATION BOOKLET
NCEA L1 - 3**



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English and Bible

English is all about thinking, reading and writing. Where possible we integrate English with Bible so that learning can take place at a deeper level and students can focus on explaining, analysing, evaluating and synthesising information. Students are encouraged to look at the deeper meanings and layers of meaning available through texts.

In our classes students are taught some of the foundation skills to help set them up to be successful in the future. This includes learning how to write using different genres and being able to add details, descriptions, explanations and develop ideas within those genres.

We teach specific skills around close reading to help students find details, infer deeper meanings and increase vocabulary. At each year students study a range of texts.

We also cover visual texts both static and moving.

Bible is integral in of character development. Educationally it is our point of difference and what sets us apart from other schools. We are blessed to have religious studies and it is a compulsory subject up to and including NCEA Level One.

NCEA Level 1 English

As much as possible this course is integrated with Bible to allow more exploration and diversity within the courses. Students create a static image, a speech, they closely view film as well as produce a range of writing. By this stage students are able to develop and sustain ideas through writing. This course focuses on writing accuracy, reading for a purpose and identifying ideas. We discuss the ideas, conventions and features of a range of genres and make some evaluations.

At the end of the year students have the opportunity to sit a number of exams to prove the skills they have developed throughout the year.

What does this course lead into?



Recommended Prior Learning:

A good understanding at Curriculum Level 5 in reading, writing, speaking and visual texts both static and moving.

NCEA Level 2 English

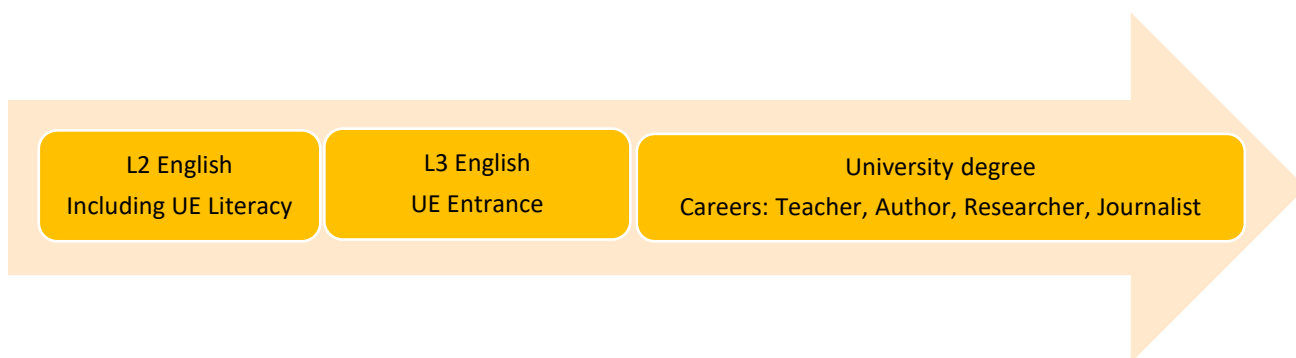
This course focusses on developing students' analysis skills. As it includes University Entrance Literacy, the reading and writing demands are a lot higher than those of Level 1 English.

Students are required to learn the precise conventions of Literary Essay and to develop these skills throughout the year. All examinations at this level are required to be answered in an essay format and must be crafted and controlled.

Students do produce an oral text in this course though it is not normally a traditional speech. Usually, students are expected to present a perspectives based 'speech' or a 'monologue' to ensure that they are processing deeply enough to meet the standard required.

Students are expected to function in specific genres with total control over the genre conventions and expected features. Students must be sure of their purpose and this must be demonstrated through the work produced.

What does this course lead into?



Recommended Prior Learning:

A good understanding at Curriculum Level 6 in reading, writing, speaking and visual texts both static and moving. Successful completion of Level 1 English.

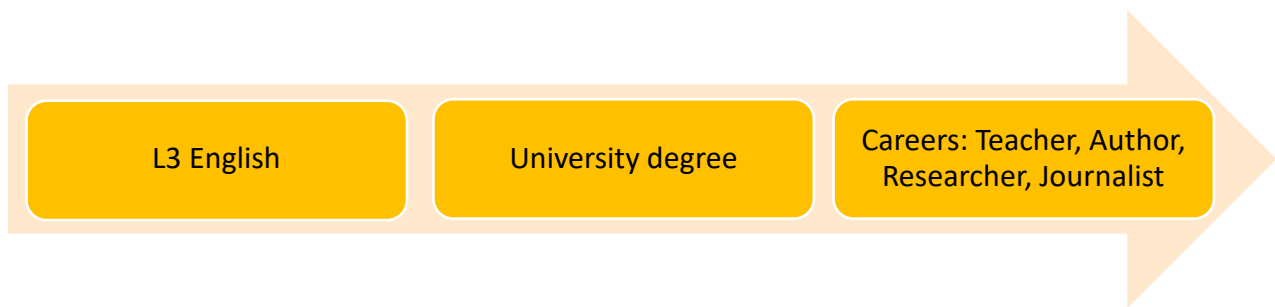
NCEA Level 3 English

This course is taught around the thinking skill of critical analysis. Students build on the skills gleaned through Level 2 English and develop them into making reasonable evaluations. Student learn to make critical judgements about what they are reading.

Writing includes a range of genres, but this course focuses on deepening levels of thinking and strengthening control in work production.

At the end of the year students have the opportunity to sit a number of exams to prove the skills they have developed throughout the year.

What does this course lead into?



Recommended Prior Learning:

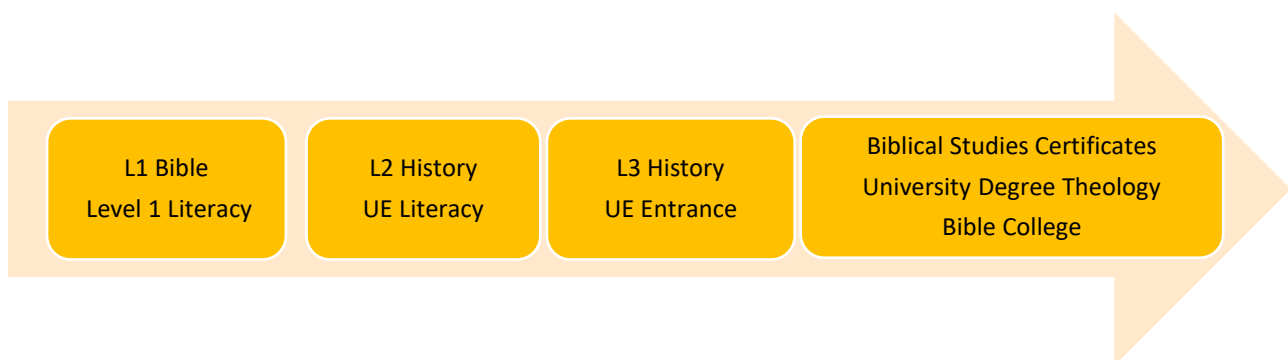
A good understanding at Curriculum Level 7 in reading, writing, speaking and visual texts both static and moving. Successful completion of Level 2 English.

NCEA Level 1 Bible

This course is a foundational course in Christian studies. It includes a focus on the purposes of the Bible, our key beliefs as Christians and how we apply those beliefs in the face of ethical dilemmas. Students are encouraged to ask questions and clarify any concerns they have in the intent of strengthening their walk with Christ. This class includes input from Pastor Mike Shaw, our Principal, David Rogers and potentially other Christian leaders that are able to offer further teaching and insight into the areas studied.

In Bible class, it is imperative for us that students have a solid grounding in biblical truth. We study the Bible as a historical document, and its teachings about how we are to live.

What does this course lead into?



Recommended Prior Learning:

A good understanding at Curriculum Level 5 in reading, writing, speaking and visual texts both static and moving.

Mathematics & Statistics

Mathematics is not just about finding an exact answer to a number problem. It is so much more than that. It is about exploring, striving, reasoning, working in different ways to find solutions, playing with ideas/relationships and patterns in quantities, space and time; experimenting and creating in practical contexts, making connections and communicating these using words, symbols, diagrams and graphs.

Everyone can learn Mathematics to a high level, there is no such thing as a “maths” person. Mistakes are really valuable, they grow your mathematical brain. It is good to struggle with deep concepts and make mistakes and learn from them. Mathematicians ask lots of questions, and ask why does this make sense or not make sense?

Depth is much more important than speed. Top mathematicians, such as Laurent Schwartz, think slowly and deeply.

Mathematics is a growth subject, it takes time to learn and it is all about effort. Mathematics is about learning not performing, however knowing your times tables from 1-12 and basic number facts certainly helps makes learning Mathematics more straightforward.

NCEA Level 1 Mathematics & Statistics

This course includes Achievement Standards that will cover the Number, Algebra, Statistics, and Geometry and Measurement strands of Mathematics at Curriculum Level 6. Students will be assessed from internal and external assessments.

The students will learn from a variety of resources, eg textbooks, worksheets, relevant online websites such as StatsLC and practical in and outdoor tasks eg Trigonometry topic. Mathematics videos and tasks are also assigned as homework and are accessible 24/7 through Google Sites. The students will work in pairs or small groups much of the time. However, if students prefer to work individually they will be given the opportunity to do that.

Recommended Prior Learning:

A good understanding at Curriculum Level 5 in all of the above strands

NCEA Level 2 Mathematics

Mathematics in Year 12 builds on the skills and understanding developed in previous years. This course focuses on the specialist branches of mathematics, algebra and calculus, which is introduced and applied to a range of situations.

Recommended Prior Learning:

A good understanding in NCEA Level 1 of Algebra.

NCEA Level 2 Statistics

This course covers the process of carrying out investigations to provide answers for real world problems by using statistics to organise, process, present and analyse data. Making use of technology, students will learn to notice trends, evaluate reports, design surveys, investigate patterns in society, make predictions and communicate findings in written reports.

Recommended Prior Learning:

A good understanding in NCEA Level 1 Mathematics.

NCEA Level 3 Calculus

The study of calculus helps the development of analytical and problem solving skills and provides an enjoyable, intellectual challenge. In this course the Algebraic concepts of *Differentiation* and *Integration* started in Year 12 are further extended to solve real life problems and simulated situations.

Recommended Prior Learning:

Sound achievement in Level 2 Mathematics.

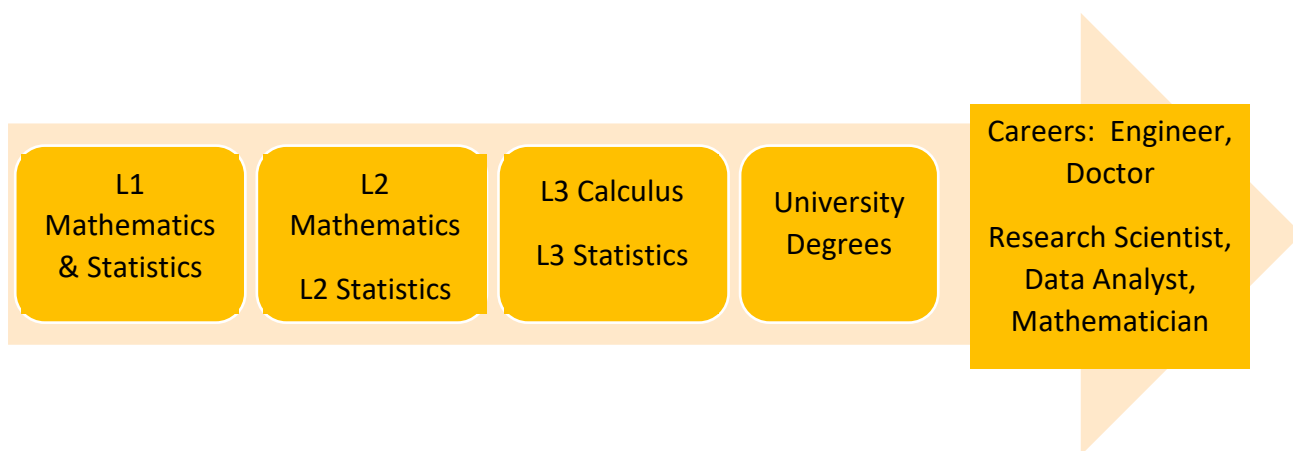
NCEA Level 3 Statistics

Probability and statistics are used to solve problems, model situations, make predictions and analyse data. There is the opportunity to develop critical thinking skills in analysing and interpreting information and communicating the findings.

Recommended Prior Learning:

Achievement or better in AS91267 (Probability).

What do these courses lead into?



Science

Science is the way of the future! It not only helps the student to understand the world around them but it also leads to exciting futures.

Scientific knowledge builds on previous ideas and innovations and is continually being updated and expanded as new evidence comes to hand.

Scientists interact with each other and with the wider world and as they try to validate new explanations. Science explanations are inextricably linked to culture, politics, and economics because scientists are part of communities and cultures that view the world in different ways.

Scientific investigation makes use of multiple approaches, creative as well as logical. Creative scientists “think outside the box”, shift perspective as they view problems, and examine different views of the same problem. Through inspiration, careful observation, and critical thinking, scientists discover, invent, adapt, combine, and apply ideas. Knowledge gained from scientific research finds its way into countless practical applications/technologies that benefit humankind.

NCEA Level 1 Science

At Level 1 Science the students cover all the strands of Science.

This course includes Achievement Standards that will cover Physics, Chemistry and Biology. Students will be assessed from internal and external standards.

The course involves practical and theoretical work and the skills of collaborative as well as independent learning are honed. Use of online resources, textbooks, and a workbook are some of the tools that assist the student.

Recommended Prior Learning:

A good understanding at Curriculum Level 5 in all of the above strands

NCEA Level 2 Biology

This course is designed to give full coverage of the Biology Curriculum at level 7. It aims to provide a foundation for the future study of Biology at level 8

Topics covered include:

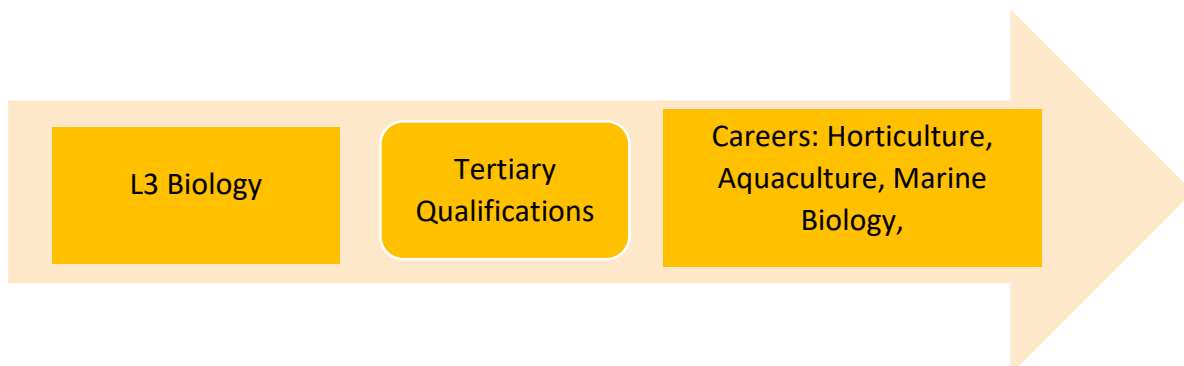
- Investigating an interrelationship or pattern in an ecological population or community
- Describing life processes at the cellular level
- Gene expression
- Adaptations of plants and animals

The work done throughout the year will be assessed by Internal and External Assessment submissions.

Recommended Prior Learning:

Sound achievement at Level 1 Science.

What do these courses lead into?



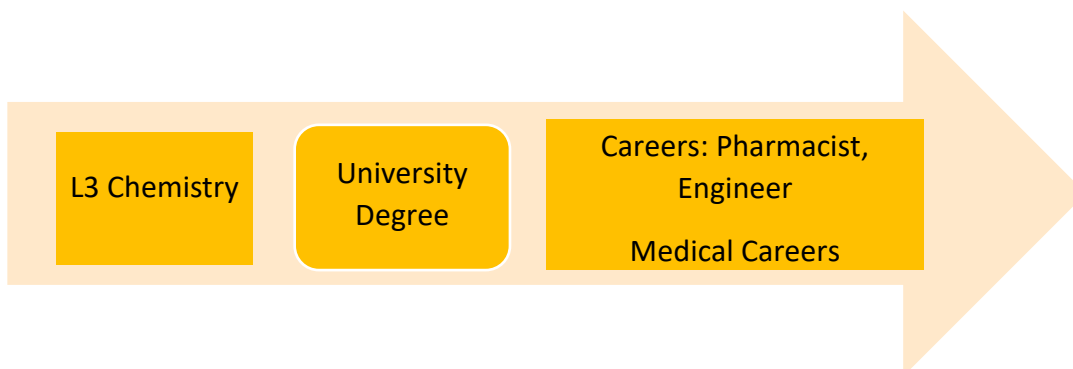
NCEA Level 2 Chemistry

Chemistry at level 2 is demanding as the course delves deeper into how chemicals and compounds work. The students gain deeper understanding in the Atomic Structure and Bonding, Organic Chemistry and Chemical Reactivity. The complementary standards of Ions, oxidation and reduction, and use of various analytical techniques round out a very interesting course.

Recommended Prior Learning:

Sound achievement at Level 1 Science.

What do these courses lead into?



NCEA Level 2 Physics

Physics at Level 2 is applying Mathematics and Science.

The course follows the Year 12 Physics syllabus, including

- Light and Waves
- Electricity
- Mechanics
- Nuclear radioactivity

This is an academic course; and as such, students have very high expectations placed upon them. Homework is essential.

Recommended Prior Learning:

Sound achievement at Level 1 Science

What do these courses lead into?



NCEA Level 3 Biology

The course is at level 3 of the NZ National Curriculum for the Biology Learning Area. The Achievement Objectives at this level are:

- Understand the relationship between organisms and their environment.
- Explore some of the processes that have resulted in the diversity of life on Earth and appreciate the place and impact of humans within these processes.

It aims to provide a foundation for the future study of Biology at tertiary level.

Topics covered include:

- Animal behaviour and plant response in relation to environmental factors
- Processes and patterns of variation
- Maintaining a stable internal environment in humans
- Carrying out an individual practical investigation

Recommended Prior Learning:

A sound achieved at Level 2 Biology

NCEA Level 3 Chemistry

This course follows on from the Level 2 Chemistry course and the achievement objectives are;

Investigate and measure the chemical and physical properties of a range of groups of substances, for example, acids and bases, oxidants and reductants, and selected organic and inorganic compounds.

Relate properties of matter to structure and bonding.

Develop an understanding of and use the fundamental concepts of chemistry (for example, equilibrium and thermochemical principles) to interpret observations.

In this course students will be trying to gain Level 3 credits for the National Certificate of Educational Achievement.

This is an academic course that prepares students for tertiary education.

Recommended Prior Learning:

A sound achieved at Level 2 Chemistry

NCEA Level 3 Physics

The course follows the Year 13 Physics syllabus, including

- Mechanics
- Waves
- Electricity
- Nuclear

The course builds on Year 12 Physics. Fourteen credits or more from Year 13 Physics will set students up for ANY degree option or career opportunity. Physics is held in very high regard with employers.

Recommended Prior Learning:

A sound achieved at Level 2 Physics

Creative Industries – Toi Auahatanga

The Creative Industries course looks at preparing our students to think creatively about filling needs in our communities through research, design and creation of top quality products.

- It fulfils the vision of the NZ Curriculum through supporting students to become Confident, Connected, Actively Involved and Lifelong Learners.
- It gives students valuable skills cross the Key Competencies of Thinking, Using language symbols and texts, Managing self, Relating to others and Participating and contributing.

NCEA Visual Arts, Design, Technology Strands

This course is designed to teach students how to develop a product for a specific need in the community or the wider global audience. Within the Creative Industries course we will cover research of products, design of products, marketing and visual drawing of products, right up to and including manufacturing of the product. This will give our students lifelong skills to succeed in life by using their creative talents to help meet the needs and wants of others. The course includes Achievement Standards in drawing, painting, rendering and sketching, design, photography, technology and product manufacturing. This course will give our tamariki an amazing opportunity to fulfil their awesome potential in creative and business areas.

The students will learn from a variety of resources, e.g. hands on tutorials, artist visits, relevant online websites, and out of school trips to help gather resources and ideas for their products. The students will work in pairs or small groups much of the time. However, if students prefer to work individually they will be given the opportunity to do that also.

Recommended Prior Learning:

A good understanding at Curriculum Level 5 in Arts and Social Studies areas.

NCEA Level 2 and 3 Photography

Level 2 and 3 Photography looks at creating art in the form of photographs. Students learn digital editing techniques using the Adobe Suite of design programs. The course is geared for students to pass with credits spread across internal Achievement Standards and an externally graded Portfolio of Photographs.

Recommended Prior Learning:

A good understanding of NCEA L1 Visual Arts, Curriculum Level 6.

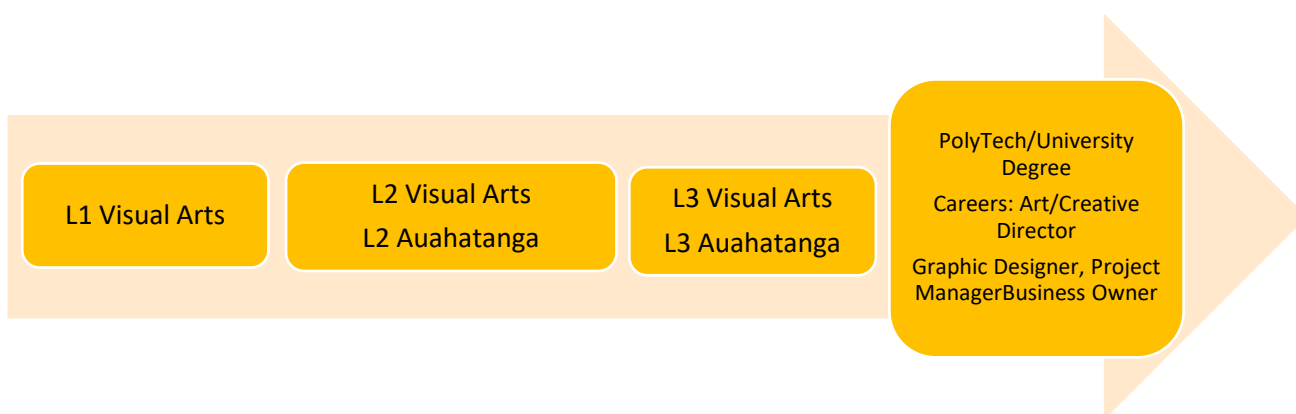
NCEA Level 2 Painting

Level 2 Art looks at working on drawing, painting, watercolours and printing techniques. To pass, students work towards attaining credits made of Internal Standards and an externally marked Portfolio Board.

Recommended Prior Learning:

A good understanding of NCEA L1 Visual Arts, Curriculum Level 6.

What does Visual Arts lead into?



Health and Physical Education

Health and Physical Education is not just about running, jumping, throwing and healthy eating. Health and Physical Education is about “Education in the Physical”. It aims to develop students’ knowledge of movement and safety, physical competence and their ability to use these to perform in a wide range of physical activities which require refined skills and technique. Physical Education not only develops and strengthens student’s physical well-being but it also strengthens their mental and emotional well-being.

Anyone is able to achieve in Physical Education because being active and healthy is an individual journey which varies in difficulty. Each person has different goals and desired outcomes from one another. Through gaining an in depth understanding of how our bodies are formed and how they function, we are able to manipulate our bodies to achieve maximum results and reach our desired goals and outcomes.

This course includes various Achievement Standards which covers Personal Health and Physical Development, Movement Concepts and Motor Skills and Relationships with other people, which are three strands from the New Zealand Curriculum.

Students will have the opportunity to attain Academic Achievements while having fun and being active.

NCEA level 1 Health and Physical Education

The level 1 Health and Physical Education course is made up of a mixture of theory and practical components. Students will learn about the foundations of sports science and how to apply them in an applied setting. Students will engage in learning through a variety of delivery modes and from a range of resources. Students will use text-books, a range of online resources, indoor and outdoor activities and overnight camps. Students will complete a number of written reports and participate in a range of practical assessments both individually and as a team. Students will also learn about personal safety and how to manage themselves and others in the outdoors.

Recommended Prior Learning:

A good understanding of Health Science and Basic Fundamentals of Physical Education at curriculum level 5.

NCEA level 2 Health and Physical Education

The level 2 Health and Physical Education course is made up of a mixture of theory and practical components. Students will apply risk management strategies in a range of challenging outdoor activities. Students demonstrate their understanding of how sports sciences apply to the learning of new skills. Students will engage in learning through a variety of delivery modes and from a range of resources. Students will use text-books, a range of online resources, indoor and outdoor activities and overnight camps. Students will complete a number of written reports and participate in a range of practical assessments both individually and as a team. Successful completion of this course will allow students to study Health and Physical Education at NCEA level 3

Recommended Prior Learning:

Successful completion of the Level 1 Physical Education course.

NCEA level 3 Health and Physical Education

The Level 3 Health and Physical Education course is made up of a mixture of theory and practical components. Students will gain an in depth understanding of Sports Science and how it applies to physical activity. Students learn to critically analyse practical skills and examine contemporary leadership principles applied in physical activity contexts. Students will learn to devise safety management strategies for a range of activities in the outdoor context.

Recommended Prior Learning:

Successful completion of the Level 2 Physical Education course.

What does this course lead into?

