

# 2024 SENIOR SUBJECT GUIDE



What Subjects are available at Fairfield College 2024?



REMEMBER THE  
**3Bs**

- Be respectful
- Be responsible
- Be the best you can be

Kia mau  
ki te  
takitoru

*Me whai whakaaro  
Me ū ki ngā tikanga  
Me eke te taumata*

## INTRODUCTION

# IT'S TIME TO CHOOSE YOUR SUBJECTS FOR 2024

The choice of subjects and career pathways can be a challenge for many students. At Fairfield College we offer a range of academic subjects and a choice of qualification pathways to prepare you for tertiary education and life beyond school. Our Senior Subject Guide outlines what we offer for 2024. Decisions should be carefully and thoughtfully made. It is important you consider the following questions when selecting your subjects:

- What are my favourite subjects and why?
- What subjects am I really good at?
- What do I want to do when I leave school and what subjects might be needed in this area?

It is important that you select subjects that match your aspirations as well as subjects that interest you and that you can get excited about.

**Do NOT choose subjects because your friends are choosing them. Remember that these are YOUR subjects, and they will help to direct YOUR future. Choose wisely and well.**

## What do YOU need to do?

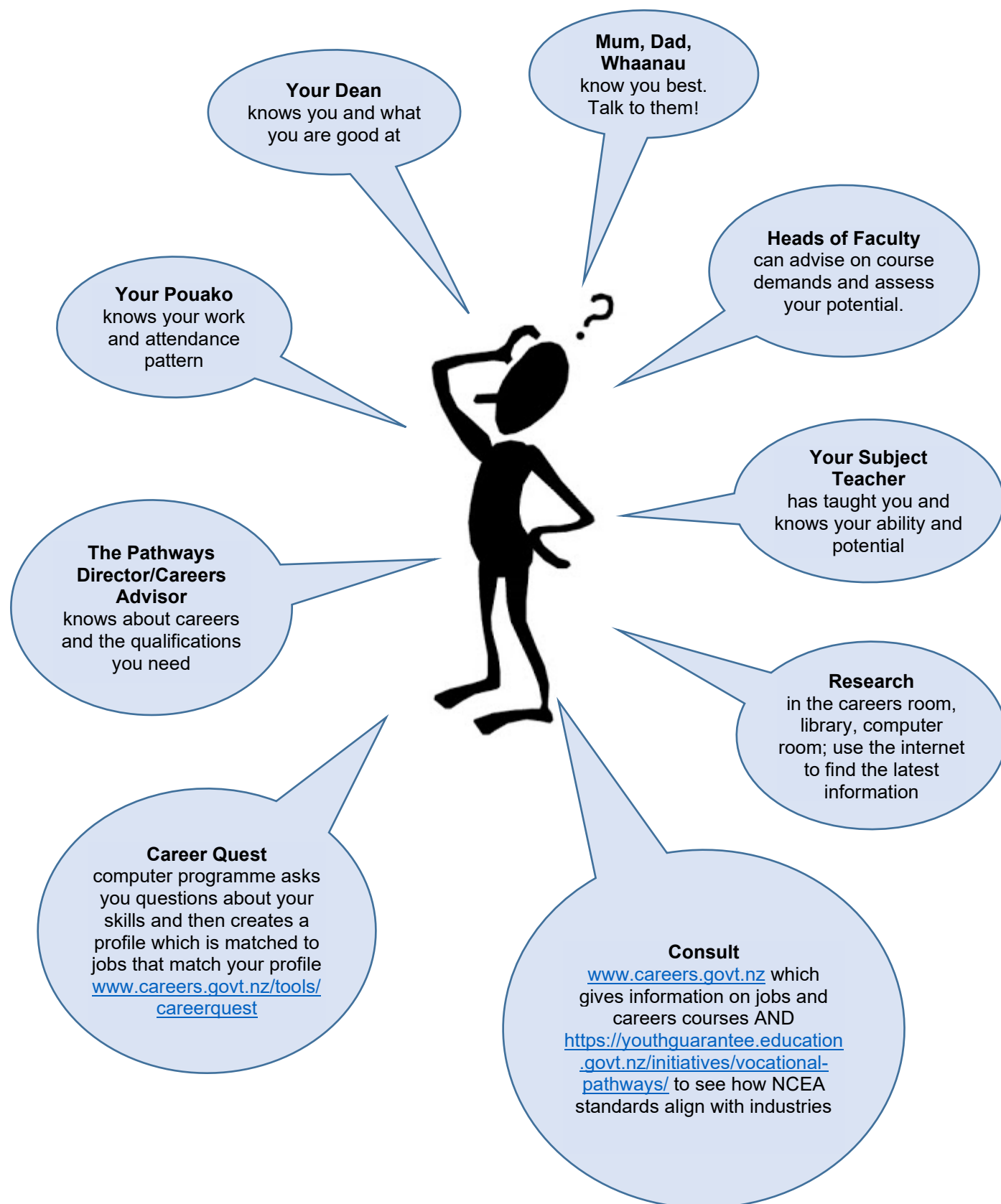
- **Look** through the Senior Subject Guide carefully
- **Attend** the Senior Subject Evening on **Wednesday 23<sup>rd</sup> August at the School Hall from 6:00 – 7:30pm**, with your parents or whaanau.
- **Discuss** choices with parents, whaanau, teachers, pouako, Heads of Faculty, Year Level Deans, Mr Smith (Pathways Director), Mrs Cosgrove (Gateway Co-ordinator), Mrs Anderson (Senior Learning and Achievement Advisor).
- **Check** you have met the entry criteria for your selected subjects.
- **Submit** subject selections online by **Friday 15<sup>th</sup> September**.

**Please note:** If there is insufficient demand for a subject, it might not be offered in 2024. In addition, timetabling constraints may result in some subject combinations not being available. Where a subject is not offered, we will endeavour to organise appropriate study through measures such as distance learning, to cater to the individual's needs.

An electronic copy of the Senior Subject Guide is available on the school website:

<http://www.faircol.school.nz/>

# GUIDE TO COURSE CHOICE



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## YOUR GUIDE TO NCEA

### National Certificate of Educational Achievement

NCEA is the qualification available to students in the senior school. There are three Levels of NCEA – the standards increase in difficulty from Level 1 to Level 3. It is possible to study a mix of standards at different levels.

Courses in the senior school offer Achievement Standards and/or Unit Standards. Each of these have a specific number of credits attached which are added together to make up the NCEA qualification.

All NCEA subjects are being re-developed with four achievement standards – 2 internally assessed, 2 externally assessed – worth 20 credits in total. This will be in place for Level 1 in 2024, Level 2 in 2026 and Level 3 in 2027.

There are four different possible results for Achievement Standards: Not Achieved (N), Achieved (A), Merit (M) and Excellence (E). Unit Standards are internally assessed in class during the year with an Achieved (A) or Not Achieved (N) result.

Over the next few years, NCEA will transition from its current form into a new qualification.

In 2024:

- The new NCEA Level 1 achievement standards will be fully implemented
- NCEA Levels 1, 2 and 3 will each become 60-credit qualifications
- The Te Reo matatini, paangarau, literacy, and numeracy co-requisite, which sits outside of the new NCEA qualification, will become mandatory
- Learners will only be awarded an NCEA qualification once they have met the 20-credit co-requisite
- Learners need to complete the co-requisite once only

### NCEA certificates and minimum credits required to achieve qualification...

#### LEVEL 1

Level 1  
60 credits at  
any level

#### LEVEL 2

Level 2  
60 credits at  
Level 2 or  
above

#### LEVEL 3

Level 3  
60 credits at  
Level 3  
or above

**Must include 10 Literacy/Te Reo Matatini and 10 Numeracy/Paangarau co-requisite credits at Level 1 or higher.**

During 2024 and 2025, learners will be able to meet the 20-credit co-requisite through achieving either the new standards in Literacy-Writing, Literacy-Reading, Numeracy, Te Reo Matatini, and Paangarau or gaining 20 credits from a small list of literacy and numeracy-rich standards.

NB: Any credits learners already have can be used towards the new NCEA qualifications.

### Add to that...

<p><b>+ Certificate Endorsement</b></p> <p>NCEA can be awarded with an Achieved, Merit or Excellence endorsement at each of the three levels.</p> <ul style="list-style-type: none"> <li>• 50 (or more) Merit credits or a combination of 50 Merit and Excellence credits for a Merit Endorsement</li> <li>• 50 (or more) Excellence credits for an Excellence Endorsement</li> </ul>	<p><b>+ Course Endorsement</b></p> <p>Course endorsement provides recognition for a student who has performed exceptionally well in an individual course. Students will gain an endorsement for a course if, in a single school year, they achieve:</p> <ul style="list-style-type: none"> <li>• 14 or more credits at Achieved, Merit or Excellence, and</li> <li>• At least three of the credits are from external assessed standards and three from internally assessed standards</li> <li>• Visual Art endorsement through folio only</li> <li>• Physical Education has specific criteria</li> </ul>	<p><b>+ Scholarship Award</b></p> <p>Scholarship opportunities are provided for students who have the ability to demonstrate higher order thinking skills and independent learning aimed at the top 5% of students throughout New Zealand. Scholarship is a monetary award; it does not attract credits or contribute towards a qualification but the fact that a student has gained a scholarship appears on their Record of Achievement. All Scholarship subjects are externally assessed with a written examination or through a portfolio at the end of the year. This is in addition to the examination required for Level 3 NCEA.</p>
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SCHOLARSHIP

# MAPPING AND TRACKING NCEA ACHIEVEMENTS

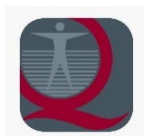
Students, parents and caregivers can access the KAMAR Portal to view timetable information, reports and their school record of achievement.

## NZQA website

Once students reach Year 11, they are given their National Student Number and password which allows them to access the New Zealand Qualifications Authority website. This is where students can track their official **Record of Achievement**. Go to: <https://secure.nzqa.govt.nz/for-learners/records/login.do>

## NCEA APPS

(Apps are free to download from App store)



### NCEA Guide

The NCEA Guide App is for parents, whaanau and employers and provides quick and easy access to key information about NCEA. The App is free to download from the Apple store or the Google Play store.



### NCEA Track

Track your progress throughout the school year and know that you're on track to achieving your goals.

## FAIRFIELD COLLEGE NCEA FRAMEWORK

Fairfield College's NCEA framework and design is based on a two-year approach to achieving NCEA Level 1 and Level 2. This is outlined in the following table:

Development Stage	Springboard Stage	Pathway Stage
Years 9-10 FFC JCEA	Years 11-12 Level 1 and 2 NCEA	Years 12-13+ Level 2 and 3 NCEA

See the NZQA website for more details:

<http://www.nzqa.govt.nz/qualifications-standards/qualifications/ncea/understanding-ncea/how-ncea-works/>

Watch a video:

<http://www.nzqa.govt.nz/qualifications-standards/qualifications/ncea/understanding-ncea/how-ncea-works/video/>

## ASSESSMENT AT FAIRFIELD COLLEGE

- Seeks to minimise student anxiety.
- Is as naturally occurring as possible.
- Is developed from purposeful and relevant learning programmes.
- Provides pathways to personal success.

# GUIDELINES

## LEVEL 1

Year 11 is the beginning of a two-year journey where students work towards attaining an NCEA Level 2 Qualification (which will automatically gain their NCEA Level 1).

At Fairfield College there is more focus on learning rather than preparing students for assessment. Students sit internal NCEA assessments and end of topic formative school assessments. Some faculties offer one external. This is optional for students.

For NCEA assessment purposes each course will offer a maximum of three internal NCEA assessments or no more than 10 NCEA credits. Students will have the opportunity of gaining between 30-50 credits at Level 1.

### YEAR 11 STUDENTS

- **Will be doing five subjects. You must select three (plus two backups):**
  - English (or Te Reo) and Mathematics are compulsory.
  - Science is strongly recommended.

## LEVEL 2

Year 12 is the second year of the springboard stage of learning, and leads into the pathway stage where students meet the requirements of attaining NCEA Level 2 by completing Level 2 courses and assessments. At this stage a student will be able to achieve a certificate of endorsement at Level 1 and/or Level 2 and subject endorsement at Level 2.

### YEAR 12 STUDENTS

- **Must select five subjects (plus two backups):**
  - English or Te Reo Maaori is strongly recommended.
  - Mathematics is also highly recommended.

Students may choose a multi-level programme of study, including subjects from Year 11 or Year 12.

## LEVEL 3

Year 13 is considered the Pathway learning stage where a student will work towards achieving a purposeful Level 3 NCEA qualification. Students will continue to work with their Pouako, Year Level Dean, Academic Dean and the school Pathways Leader in an attempt to place them in the strongest possible position to meet the course requirements that they require for tertiary study, or for the skills and knowledge required to secure employment in their chosen pathway.

### YEAR 13 STUDENTS

- **Must select five subjects (plus two backups):**
  - If considering University study, a minimum of three University approved subjects at Level 3 must be taken and four are recommended.
  - Students may choose a multi-level programme of study, which includes subjects from any level.



# NCEA CHANGES

Aotearoa New Zealand is in the process of strengthening NCEA by making a series of changes to improve wellbeing, equity, coherence, pathways and credibility – for students and teachers alike.

The NCEA Change Programme is a work programme led by the Ministry of Education to deliver the package of seven changes aimed at strengthening NCEA:

[Make NCEA more accessible](#) – zero fees, fewer barriers for learners with disabilities and learning support needs.

[Equal status for mātauranga Maaori in NCEA](#) – develop new ways to recognise mātauranga Maaori, build teacher capability, and improve resourcing and support for Maaori learners and te ao Maaori pathways.

[Strengthen literacy and numeracy requirements and assessments](#) – ensure students with NCEA have functional literacy and numeracy skills that will ready them to transition into tertiary education or the workplace.

[Fewer, larger standards](#) – new achievement standards and resources will be developed to replace existing standards and ensure the qualification achieved credentials the most significant learning in a learning area or subject.

[Simplify NCEA's structure](#) – credits can no longer be carried over to the next level and resubmissions will only be allowed where they take students from a 'Not Achieved' grade to an 'Achieved' grade. Sixty credits are required to pass each NCEA level.

[Clearer pathways to further education or work](#) – develop a Vocational Entrance Award to clearly signal when a student is ready to transition into higher level vocational education and strengthen vocational pathways through NCEA.

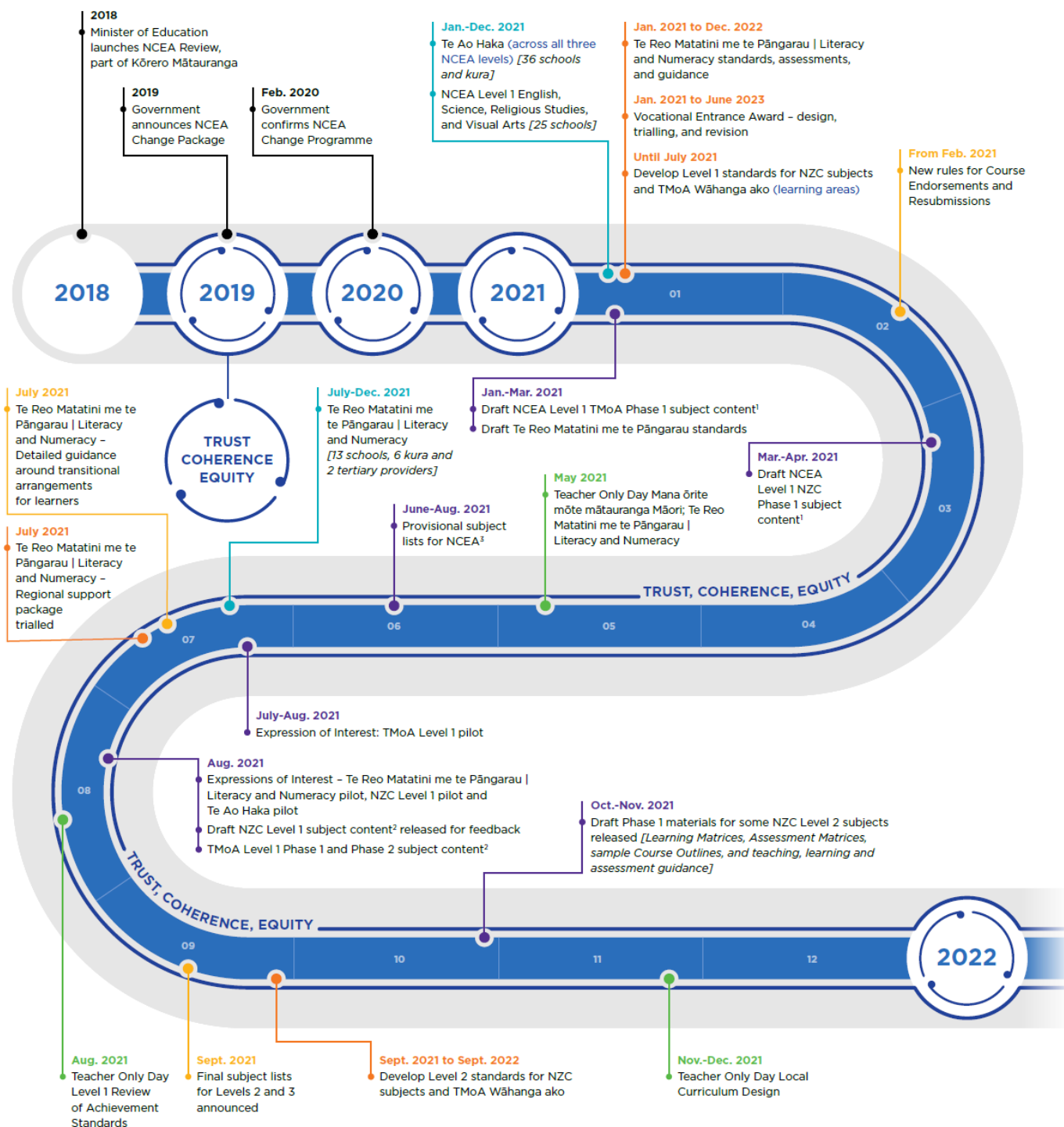
[Keep NCEA Level 1 optional](#) – ensure Level 1 provides students with the broad, foundational knowledge needed to support specialization at Levels 2 and 3.

# NCEA CHANGE PROGRAMME TIMELINE 2021 - 2025

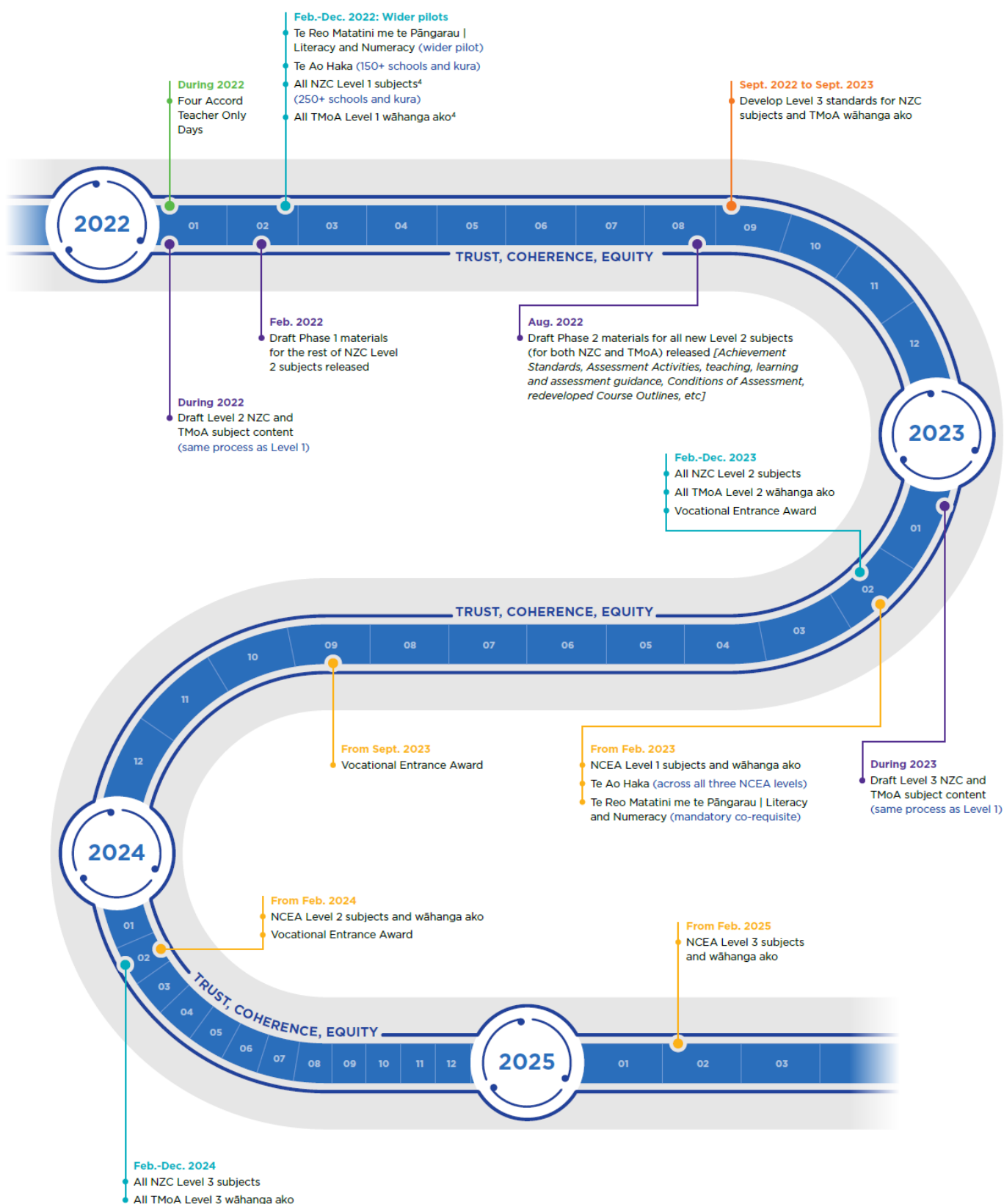
## NCEA Change Programme

### INDICATIVE TIMELINE (2021-2025)

● DESIGN    
 ● PUBLIC ENGAGEMENTS    
 ● PILOTS    
 ● IMPLEMENTATION    
 ● ACCORD TEACHER ONLY DAYS



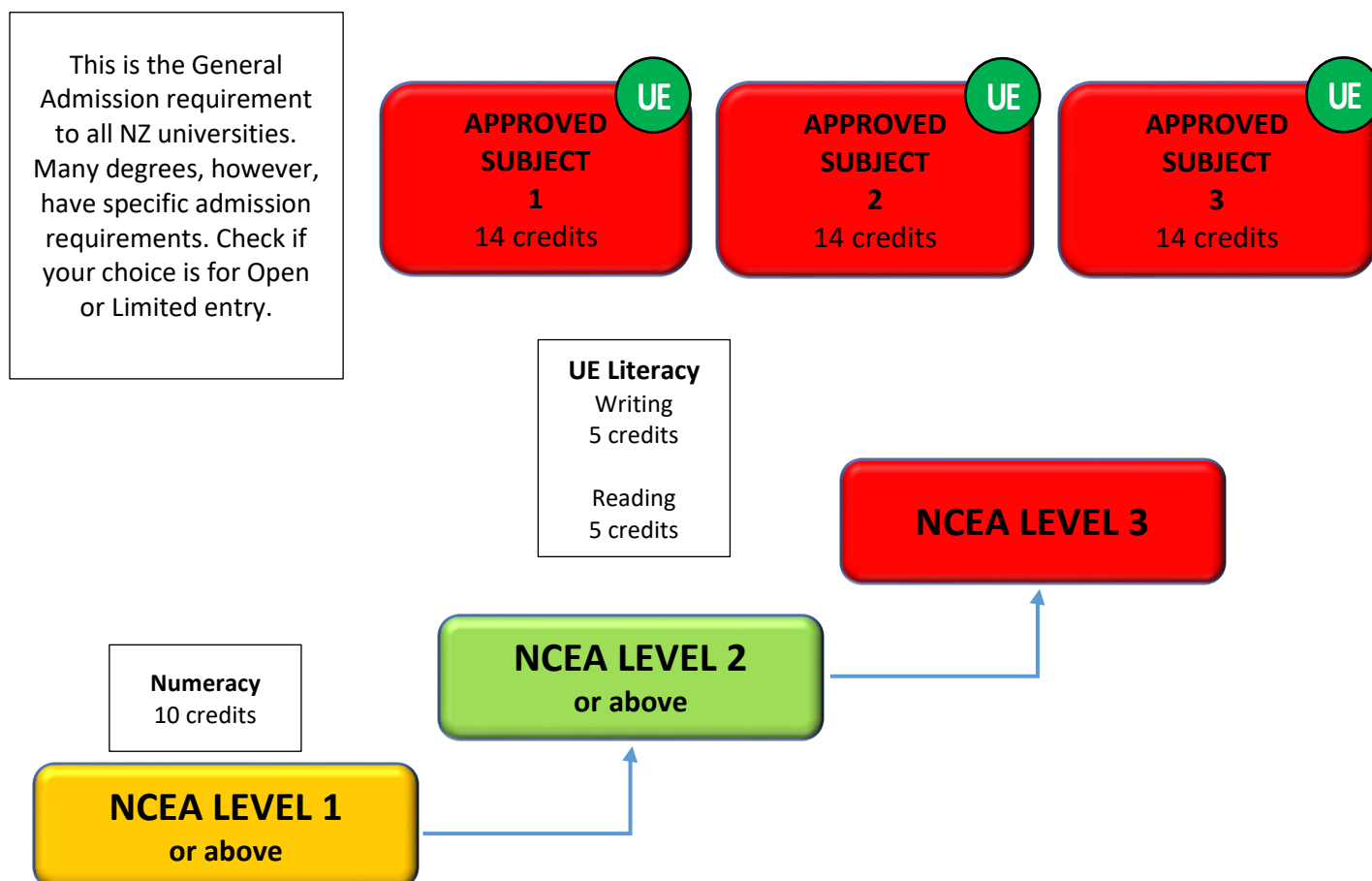
1 Phase 1 subject content consists of Learning Matrices, teaching, learning and assessment guidance, sample Course Outlines, and Assessment Matrices (indicative standard titles only).  
 2 Phase 2 subject content includes Achievement Standards, Internal Assessment Activities, Conditions of Assessment, and revised Phase 1 materials.  
 3 Public engagement for provisions subject lists for Level 2 and 3 NZC and Levels 1-3 TMOA.



<sup>4</sup> Phase 1 and 2 subject content are revised again following piloting.

# UNIVERSITY ENTRANCE

The following chart shows the minimum requirements for entrance to university:



Once you have met the requirements for University Entrance it will appear on your Record of Achievement.

- Rank scores are also a requirement for many New Zealand universities. Please refer to specific university websites.

## APPROVED UNIVERSITY ENTRANCE SUBJECTS OFFERED AT FAIRFIELD COLLEGE

Biology, Calculus, Chinese Mandarin, Chemistry, English, Design (Visual Art), Painting (Visual Art), Digital Technologies, Drama, Geography, Health Education, History, Mathematics, Music, Photography (Visual Art), Physical Education, Physics, Printmaking (Visual Art), Science, Statistics, Te Reo Maori, Textiles Technology.













Link: [www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/](http://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/)

# VOCATIONAL PATHWAYS

## Colour Your Future with Vocational Pathways

Find the pathway that is right for you



-   **Social & Community Services**
-   **Primary Industries**
-   **Services Industries**
-   **Creative Industries**
-   **Manufacturing & Technology**
-   **Construction & Infrastructure**

### Not sure what you want to be? Unclear about your career options?

The Vocational Pathways can help you plan your journey from learning to earning. They represent a way to achieve NCEA Level 2 (or equivalent) with Vocational Pathways at the same time. You can see how your credits are valued by industry and the types of study options and job opportunities available. The pathways are flexible and enable you to change your direction as you're on your journey. You can use the Vocational Pathways to plan your career and study options by using the colour coded pathways, and easily see how your skills and interests relate to industry.

### Vocational Profile

Your Vocational Profile on your Record of Achievement shows how your NCEA credits are mapped to Vocational Pathways.

You can use this profile to show employers how your interest and qualifications relate to their industry, and support you to do further study, training, or move into work.

Check out your Vocational Profile at [www.nzqa.govt.nz/login/](http://www.nzqa.govt.nz/login/)

## SUBJECT &amp; COURSE

## OVERVIEW

## THE ARTS

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ ARC100 – Visual Arts</li> <li>➤ DRA100 – Drama</li> <li>➤ MUS100 – Music</li> <li>➤ TOI100 – Toi Whakairo – Maaori Carving</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ ARC200 – Visual Arts</li> <li>➤ DRA200 – Drama</li> <li>➤ MUS200 – Music</li> <li>➤ TOI200 – Toi Whakairo – Maaori Carving</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ ARC300 – Visual Arts</li> <li>➤ DRA300 – Drama</li> <li>➤ MUS300 – Music</li> <li>➤ TOI300 – Toi Whakairo – Maaori Carving</li> </ul>
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## HEALTH &amp; PHYSICAL EDUCATION

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ PHE100 – Physical Education</li> <li>➤ HFS100 – Health and Food Studies</li> <li>➤ OED100 – Outdoor Education</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ PHE200 – Physical Education</li> <li>➤ HEA200 – Health Education</li> <li>➤ OED200 – Outdoor Education</li> <li>➤ SPL200 – Sport and Leadership</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ PHE300 – Advanced Physical Education</li> <li>➤ HEA300 – Health Education</li> <li>➤ OED300 – Outdoor Education</li> <li>➤ SPL300 – Sport and Leadership</li> </ul>
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## LANGUAGES

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ MAN100 – Mandarin</li> <li>➤ ENG100 – English</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ MAN200 – Mandarin</li> <li>➤ ENG200 – English</li> <li>➤ ENL200 – English Literacy</li> <li>➤ ENV200 – Visual Studies</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ MAN300 – Mandarin</li> <li>➤ ENG300 – English</li> <li>➤ ENL300 – English Literacy</li> </ul>
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## MAAORI STUDIES

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ MAO100 – Te Reo Maaori</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ MAO200 – Te Reo Maaori</li> <li>➤ MHS200 – Marae Hospitality</li> <li>➤ MPA200 – Maaori Performing Arts</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ MAO300 – Te Reo Maaori</li> <li>➤ MPA300 – Maaori Performing Arts</li> </ul>
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## MATHEMATICS

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ MAT100 – Mathematics</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ MAT200 – Mathematics</li> <li>➤ MAC200 – Mathematics - Calculus</li> <li>➤ MAS200 – Mathematics - Statistics</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ MAT300 – Mathematics</li> <li>➤ MAC300 – Mathematics - Calculus</li> <li>➤ MAS300 – Mathematics - Statistics</li> </ul>
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## PATHWAYS

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ SFP100 – Senior Foundation Programme</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ GAT200 – Gateway</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ PET300 – Pre-Employment Training</li> </ul>
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## SCIENCE

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ SCI100 – Science</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ BIO200 – Biology</li> <li>➤ CHE200 – Chemistry</li> <li>➤ ESS200 – Earth &amp; Space Science</li> <li>➤ PHY200 – Physics</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ BIO300 – Biology</li> <li>➤ CHE300 – Chemistry</li> <li>➤ PHY300 – Physics</li> </ul>
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## SOCIAL SCIENCES

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ DTS100 – Digital Technology Studies</li> <li>➤ GEO100 – Geography</li> <li>➤ HST100 – History Studies</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ DTS200 – Digital Technology Studies</li> <li>➤ GEO200 – Geography</li> <li>➤ HIS200 – History</li> <li>➤ TOR200 – Tourism</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ DTS300 – Digital Technology Studies</li> <li>➤ HIS300 – History</li> <li>➤ GEO300 – Geography</li> <li>➤ TOR300 – Tourism</li> </ul>
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## HARD TECHNOLOGY

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ DVC100 – Design &amp; Visual Communication</li> <li>➤ ELE100 - Electronics</li> <li>➤ ENN100 – Engineering &amp; Product Design</li> <li>➤ TAB100 – Technology &amp; Building</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ ELE200 – Electronics</li> <li>➤ ENN200 – Engineering &amp; Product Design</li> <li>➤ TAB200 – Technology &amp; Building</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ TAB300 – Technology &amp; Building</li> </ul>
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## SOFT TECHNOLOGY

<b>L1</b>	<ul style="list-style-type: none"> <li>➤ FOT100 – Food Technology</li> <li>➤ TET100 – Textiles</li> </ul>	<b>L2</b>	<ul style="list-style-type: none"> <li>➤ HOS200 – Hospitality</li> <li>➤ FOT200 – Food Technology</li> <li>➤ TET200 – Textiles</li> </ul>	<b>L3</b>	<ul style="list-style-type: none"> <li>➤ HOS300 – Hospitality</li> <li>➤ FOT300 – Food Technology</li> <li>➤ TET300 – Textiles</li> </ul>
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# ARTS

## Introduction

<p><b>L1</b></p> <p>ARC100 – Visual Arts</p> <p>DRA100 – Drama</p> <p>MUS100 – Music</p> <p>TOI100 – Toi Whakairo - Maaori Carving</p>	<p><b>L2</b></p> <p>ARC200 – Visual Arts</p> <p>DRA200 – Drama</p> <p>MUS200 – Music</p> <p>TOI200 – Toi Whakairo - Maaori Carving</p>	<p><b>L3</b></p> <p>ARC300 – Visual Arts</p> <p>DRA300 – Drama</p> <p>MUS300 – Music</p> <p>TOI300 – Toi Whakairo - Maaori Carving</p>
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### NCEA LEVEL 1

## ARC100 VISUAL ARTS

Create original works in drawing, painting, printmaking, and mixed media.

### COURSE COMPONENTS

- Begin with drawing to develop works in a range of different techniques
- Students will create resolved works

↗ 0	↖ 10	📖 0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT Y9 and 10 option Art or at the discretion of Visual Arts teacher

### NCEA LEVEL 1

## DRA100 DRAMA

This course familiarises students with the essential skills needed: drama techniques, conventions, and elements. Students learn about the history of theatre whilst developing their performance confidence.

### COURSE COMPONENTS

- Learn to understand drama in context
- Research and select ideas in order to create drama
- Develop confidence and problem-solving skills
- Communicate and interpret drama

Group work and attendance are essential

↗ 0	↖ 10	📖 0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open



**NCEA LEVEL 1**

**MUS100**

**MUSIC**



This course will develop your performance and song writing skills.

**COURSE COMPONENTS**

- Prepare and present solo and group performances
- Create songs/compositions

0	10+2	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Pre-requisite of 10MUS, play an instrument or sing

**NCEA LEVEL 1**

**TOI100**

**TOI WHAKAIRO**



**Maaori Carving**

Explore Maaori Carving Design.

**COURSE COMPONENTS**

- Explore Maaori surface patterns in Whakairo
- Learn to connect your whakapapa with carving

0	12	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open – ideally 10TOI course

**NCEA LEVEL 2**

**ARC200**

**VISUAL ARTS**



**Painting, Printmaking, Design, Photography**

Each course will extend creative and technical skills in the selected discipline. Some students select more than one art discipline. Please note each art subject requires a separate block on the timetable. Photography students need to own and know how to operate a DSLR camera.

**COURSE COMPONENTS**

- Develop skills in drawing as a central means to create paintings, prints, design and/or photography
- Produce a body of work in the form of a folio

12	4	0	±0	R0	W0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: ARC100 or at the discretion of teacher



NCEA LEVEL 2

**DRA200**

**DRAMA**



This course furthers the skills learned in Level 1, with a stronger focus on New Zealand theatre and how to apply skills developed in drama in a professional context. Students explore a variety of theatre styles through performing in groups and creating their own drama.

**COURSE COMPONENTS**

- Explain how drama interprets and adds to the world we live in
- Create original drama
- Develop an understanding of New Zealand drama
- Develop project management and leadership skills in a creative field

Group work and attendance are essential

4	13 + 9	0	$\pm$ 0	R 13	W 4
EXTERNAL CREDITS	INTERNAL CREDITS 9 credits optional	L1 LITERACY CREDITS	NUMERACY CREDITS	EXTERNAL CREDITS	INTERNAL CREDITS



ENTRY REQUIREMENT: Open

NCEA LEVEL 2

**MUS200**

**MUSIC**



This course extends the skills learned in Year 11 for performance and song writing.

**COURSE COMPONENTS**

- Prepare and present solo and group performances
- Create songs/compositions

0	26	0	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS



ENTRY REQUIREMENT: Pre-requisite of MUS100, play an instrument or sing

NCEA LEVEL 2

**TOI200**

**TOI WHAKAIRO**



**Maaori Carving**

Further develop skills in Maaori carving design.

**COURSE COMPONENTS**

- Focus on design forms, historical context and cultural meanings
- Explore Maaori weaponry, masks, Puoro, Tekoteko, Pare and Pou pou

0	24	0	$\pm$ 0	R 0	R/W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS



ENTRY REQUIREMENT: Open



## NCEA LEVEL 3

## ARC300

## VISUAL ARTS



## Painting, Printmaking, Design, Photography

Each course will extend creative and technical skills in the selected discipline.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Refine and develop practices, procedures and conventions
- Use a concept to inform ideas
- Produce a body of work in the form of a folio

14	0	0	$\pm 0$	R 0	R/W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Y12 ARC in the appropriate discipline					

## NCEA LEVEL 3

## DRA300

## DRAMA



This course furthers the skills learned in Level 2, with a stronger focus on New Zealand theatre and how to apply skills developed in drama in a professional context. Students explore a variety of theatre styles through performing in groups and creating their own drama.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Explain how drama interprets and adds to the world we live in
- Create original drama
- Develop an understanding of New Zealand drama
- Develop project management and leadership skills in a creative field
- Group work and attendance are essential

4	13 + 9	0	$\pm 0$	R 13	W 4
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	EXTERNAL CREDITS	INTERNAL CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: DRA200					

## NCEA LEVEL 3

## MUS300

## MUSIC



This course extends the skills learned in Year 12 for performance and song writing.

## COURSE COMPONENTS

SCHOLARSHIP

UE

- Prepare and present solo and group performances
- Create songs/compositions
- Research a music topic

0	26	0	$\pm 0$	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Play instrument or sing					

## NCEA LEVEL 3

## TOI300

## TOI WHAKAIRO



Extend your skills in Maaori carving design.

## COURSE COMPONENTS

- Extend awareness of design patterns with links to historical context
- Explore changes in Whakairo practices and production

0	24	0	$\pm 0$	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

# HEALTH & PHYSICAL EDUCATION

## Introduction

**L1**

PHE100 – Physical Education

HFS100 – Health and Food Studies

OED100 – Outdoor Education

**L2**

PHE200 – Physical Education

HEA200 – Health Education

OED200 – Outdoor Education

SPL200 – Sport and Leadership

**L3**

PHE300 – Physical Education

HEA300 – Health Education

OED300 – Outdoor Education

SPL300 – Sport and Leadership



### NCEA LEVEL 1

## PHE100 PHYSICAL EDUCATION

This course is both practical and theoretical. Students will take part in a variety of movement experiences in a range of different environments – wai (water), whenua (land) and maunga (mountain). Activities will take place both at school and in the greater Waikato region.

### COURSE COMPONENTS

- Explore strategies to promote kotahitanga
- Develop movement skills and strategies
- Understand how physical activity influences hauora

0	10	0	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: Open				


NCEA LEVEL 1					
HFS100		HEALTH AND FOOD STUDIES			
Students in this subject will explore health and wellbeing in a range of key learning areas – food and nutrition, mental health, and relationships. As part of this, students will take part in practical cooking lessons throughout the year.					
<b>COURSE COMPONENTS</b>					
<ul style="list-style-type: none"> <li>• Food culture and celebrations</li> <li>• Decision making strategies</li> <li>• How personal, interpersonal and societal strategies impact wellbeing</li> <li>• Explore different cultural practices related to hauora</li> </ul>					
0	10	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

NCEA LEVEL 1					
OED100		OUTDOOR EDUCATION			
Learn about and appreciate the outdoors, while building self-confidence, cooperation, and problem-solving skills. Students develop leadership and communication skills, while being pushed outside their comfort zone in a range of adventurous activities.					
<b>COURSE COMPONENTS</b>					
<ul style="list-style-type: none"> <li>• Rock climbing, caving, horse riding, Adventure Based Learning (ABL), mountain biking, tramping and camping, and archery</li> </ul>					
0	14	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open to all Y11 students but class capped at 20					

NCEA LEVEL 2					
PHE200		PHYSICAL EDUCATION			
This course extends the skills learned in level 1 PHE. The learning continues to cover both practical and theoretical work, exploring aspects of sport in society, biophysical principles, and risk management.					
<b>COURSE COMPONENTS</b>					
<ul style="list-style-type: none"> <li>• Skill acquisition - learn how to roll a kayak</li> <li>• Learn risk management strategies and implement these skills in the outdoors</li> <li>• Study a large sporting event and its impact on society</li> <li>• Learn and apply biophysical principles to a sporting context</li> </ul>					
0	18	12	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: HOF Discretion					

NCEA LEVEL 2					
HEA200		HEALTH EDUCATION			
This course explores health enhancing strategies and actions one can take in their own life, as well as relationships and community to improve wellbeing.					
<b>COURSE COMPONENTS</b>					
<ul style="list-style-type: none"> <li>• Take action to improve wellbeing within our school or community</li> <li>• Investigate factors that impact on a person's resiliency</li> <li>• Investigate factors that influence sexuality and strategies that reflect social justice to address them</li> <li>• Analyse an adolescent health issue</li> </ul>					
5	15	20	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: HOF/Teacher in Charge discretion					

**NCEA LEVEL 2**

**OED200 OUTDOOR EDUCATION** 

This course offers students the opportunity to develop confidence within outdoor settings and increase their skills through a range of outdoor experiences. Students must be willing to challenge themselves and attend a number of trips and excursions.


**COURSE COMPONENTS**

- Snorkeling, rock climbing, bush walking, navigation skills, mountain biking, alpine climbing, and archery

0	20	0	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: OED100 is preferred but not essential

**NCEA LEVEL 2**

**SPL200 SPORT AND LEADERSHIP** 

This course is mainly practical-based, with some theory components. It offers students the opportunity to learn more about sports leadership and develop their coaching skills.


**COURSE COMPONENTS**

- Perform a range of physical activities in an applied setting
- Working and communicating in a group
- Develop assertive skills and participate in informal meetings
- Coaching peers and junior students
- Develop social responsibility in a variety of physical activities

0	17	0	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open

**NCEA LEVEL 3**

**PHE300 PHYSICAL EDUCATION** 


This is a theoretical and practical course that is eligible for course endorsement. Students partake in skill development and fitness progressions to evaluate their effectiveness. Learning involves devising strategies for lifelong wellbeing and analysing safety management strategies.

**COURSE COMPONENTS**

- Performance improvement programmes to improve freestyle swimming, tough guy and gal, and evaluate their effectiveness
- Evaluate physical activity experiences and devise strategies to improve wellbeing
- Analyse issues in safety management in an alpine environment - skiing / snowboarding
- Additional 7 credits available for optional assessments

0	15	11	$\pm$ 12	R 7	R/W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	L2 READING CREDITS	L2 WRITING CREDITS

ENTRY REQUIREMENT: APE200 or HOF approval

**SCHOLARSHIP** 



**NCEA LEVEL 3**

**HEA300 HEALTH EDUCATION**



In this course students will develop their critical thinking skills and explore current health issues, In Aotearoa as well as internationally.

SCHOLARSHIP

UE

**COURSE COMPONENTS**

- Analyse and research an ethical issue
- Analyse child poverty internationally
- Examine health treatments available for diseases in Aotearoa
- Learn about a current health issue affecting a group within New Zealand

<b>↗ 5</b>	<b>↘ 14</b>	<b>📖 0</b>	<b>± 0</b>	<b>R 14</b>	<b>R/W 5</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	L2 READING CREDITS	BOTH L2 READING OR WRITING EXTERNAL CREDITS

**ENTRY REQUIREMENT:** Language rich subject at L2. HOF discretion for those that do not meet these requirements

**NCEA LEVEL 3**

**OED300 OUTDOOR EDUCATION**



This course is designed to develop leadership and confidence within an exciting outdoor environment. These skills are advanced, following on from OED200 and provide opportunities for students to explore our local learning contexts and maunga, as well as investigating potential future industry pathways.

**COURSE COMPONENTS**

Rock climbing, abseiling, bush hikes and camping, advanced navigation skills, mountain biking, white water rafting, and stand-up paddle boarding

<b>↗ 0</b>	<b>↘ 18</b>	<b>📖 0</b>	<b>± 0</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** One year experience in OED is preferred but not essential

**NCEA LEVEL 3**

**SPL300 SPORT AND LEADERSHIP**



This course is a practical and theory-based course that offers students an opportunity to learn more about leadership in physical education, while participating in a range of activities.

**COURSE COMPONENTS**

- Plan and run an event in the school
- Learn about injury prevention and gain a valid first aid certificate
- Contribute within a team or group that has an objective

<b>↗ 0</b>	<b>↘ 19</b>	<b>📖 0</b>	<b>± 0</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Open



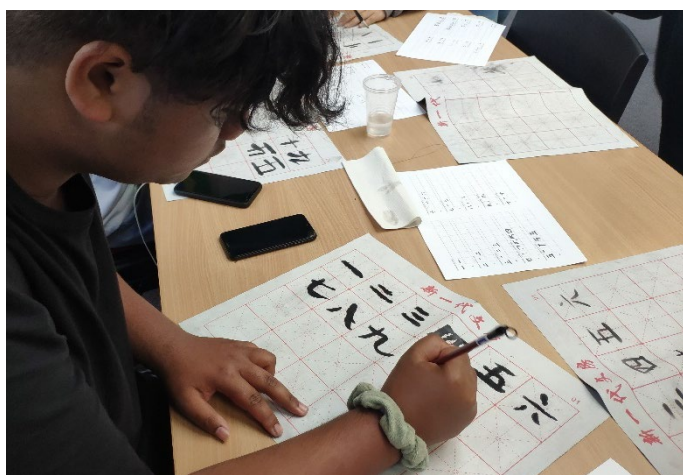
# LANGUAGES

## Introduction

**L1** MAN100 – Mandarin  
ENG100 – English

**L2** MAN200 – Mandarin  
ENG200 – English  
ENL200 – English Literacy  
ENV200 – Visual Studies

**L3** MAN300 – Mandarin  
ENG300 – English  
ENL300 – English Literacy



### NCEA LEVEL 1

## ENG100

## ENGLISH



This course is designed to develop students' skills in writing, reading and speaking. Students will explore issues in texts, including film and novel.

### COURSE COMPONENTS

- Develop skills in writing
- Recognise and use a range of language techniques
- Study a novel and explore ideas
- Write and present a speech

5	10	11	0	0	0
EXTERNAL CREDITS (OPTIONAL)	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	READING CREDITS	WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

### NCEA LEVEL 1

## MAN100

## MANDARIN



This course is designed to help students develop a solid foundation in the Chinese language and gain a deep understanding of its rich cultural heritage. Students will gain confidence in their language skills, covering a variety of topics such as sports and leisure, eating and drinking, shopping, and travel. This course offers an immersive and engaging experience that will open doors to a wealth of opportunities, such as a trip to China or a domestic study tour.

### COURSE COMPONENTS

- Communication verbally
- Learn to read and write some of the most important and useful Chinese characters
- Participate in Chinese cultural activities, festivals and food-related experiences

5	10	0	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS (OPTIONAL)	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	READING CREDITS	WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					







**NCEA LEVEL 2**

**ENG200 ENGLISH** 

This course has a focus on reading and writing where students will explore increasingly sophisticated written texts, including a novel study. This course provides for University Entrance literacy requirements. There is some requirement for independent study.

**COURSE COMPONENTS**

- Close reading and analysis of a range of texts
- Formal and creative writing
- Communicate ideas verbally
- Prepare for external assessments

 <b>4</b>	 <b>13</b>	 <b>17</b>	 <b>± 0</b>	<b>R8</b>	<b>W6</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open





**NCEA LEVEL 2**

**ENL200 ENGLISH LITERACY** 

Students will develop practical literacy skills to help in written communication, through letter or email writing. This course includes how to fill in forms and write reports for everyday situations. Level 2 Unit Standards are included, along with film study and visual text design.


**COURSE COMPONENTS**

- Write business correspondence
- Write reports
- Design and create a visual text

 <b>0</b>	 <b>10</b>	 <b>6</b>	 <b>± 0</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	L2 INTERNAL CREDITS	L1 LITERACY CREDITS	L1 NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open





**NCEA LEVEL 2**

**ENV200 VISUAL STUDIES** 

This course focuses on visual and creative assessments as part of the English subject context.

**COURSE COMPONENTS**

- Students will analyse film techniques within a film study, create a visual essay from a series of static images, and research an aspect of media. This course includes both internal and external assessments, providing for some University Entrance literacy requirements and endorsement opportunity

 <b>4</b>	 <b>10</b>	 <b>14</b>	 <b>± 0</b>	<b>R 4</b>	<b>W 4</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open



## NCEA LEVEL 2

## MAN200

## MANDARIN



This course enables students to gain a deeper understanding of the Chinese language, culture, and heritage. Students will learn to speak confidently and with some fluency in Mandarin, to discuss and write about related topics, drawing on comparisons and differences with China. This course is of value to students, as it opens future opportunities to study or work in careers related to China, New Zealand's biggest trading partner.

## COURSE COMPONENTS

- Chinese culture and cultural differences
- Verbal and written communication in Mandarin
- Participate in Chinese cultural activities, festivals, and food-related experiences
- Students may also have the opportunity to take part in the domestic China Study Tour or China trip

10	14	0	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: Open				

## NCEA LEVEL 3

## ENG300

## ENGLISH



Develop critical literacy by analysing a range of texts, through viewing, reading, writing and presenting. This course offers assessments that can be presented as either written or visual.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Critical analysis of written and visual texts
- Develop fluency in writing a variety of text types
- Communicate ideas visually and verbally
- Independent study
- Opportunity to prepare for external assessments

8	13	21	$\pm$ 0	R 4	W 10
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: L2 English				

## NCEA LEVEL 3

## ENL300

## ENGLISH LITERACY

Ensure UE literacy requirements are met before leaving school, with the opportunity to develop skills in communication and writing for your future. Level 3 Unit Standards will be available.

## COURSE COMPONENTS

- Develop writing skills to meet literacy needs
- Explore ideas and issues in a range of texts to develop reading literacy
- Improve oral communication skills for your future
- A variety of literacy standards to meet the needs of students

Prepare for External Assessment

4	10	4	$\pm$ 0	R 4	6
L2 OR L3 EXTERNAL CREDITS	L2 / L3 INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: Open				

NCEA LEVEL 3

**MAN300**

**MANDARIN**



Students learn to communicate in Chinese in a variety of situations through listening, speaking, reading and writing, exploring Chinese culture and cultural differences. This course is of value to students as it allows them to market as a person to train, work and converse with growing Chinese businesses in New Zealand.

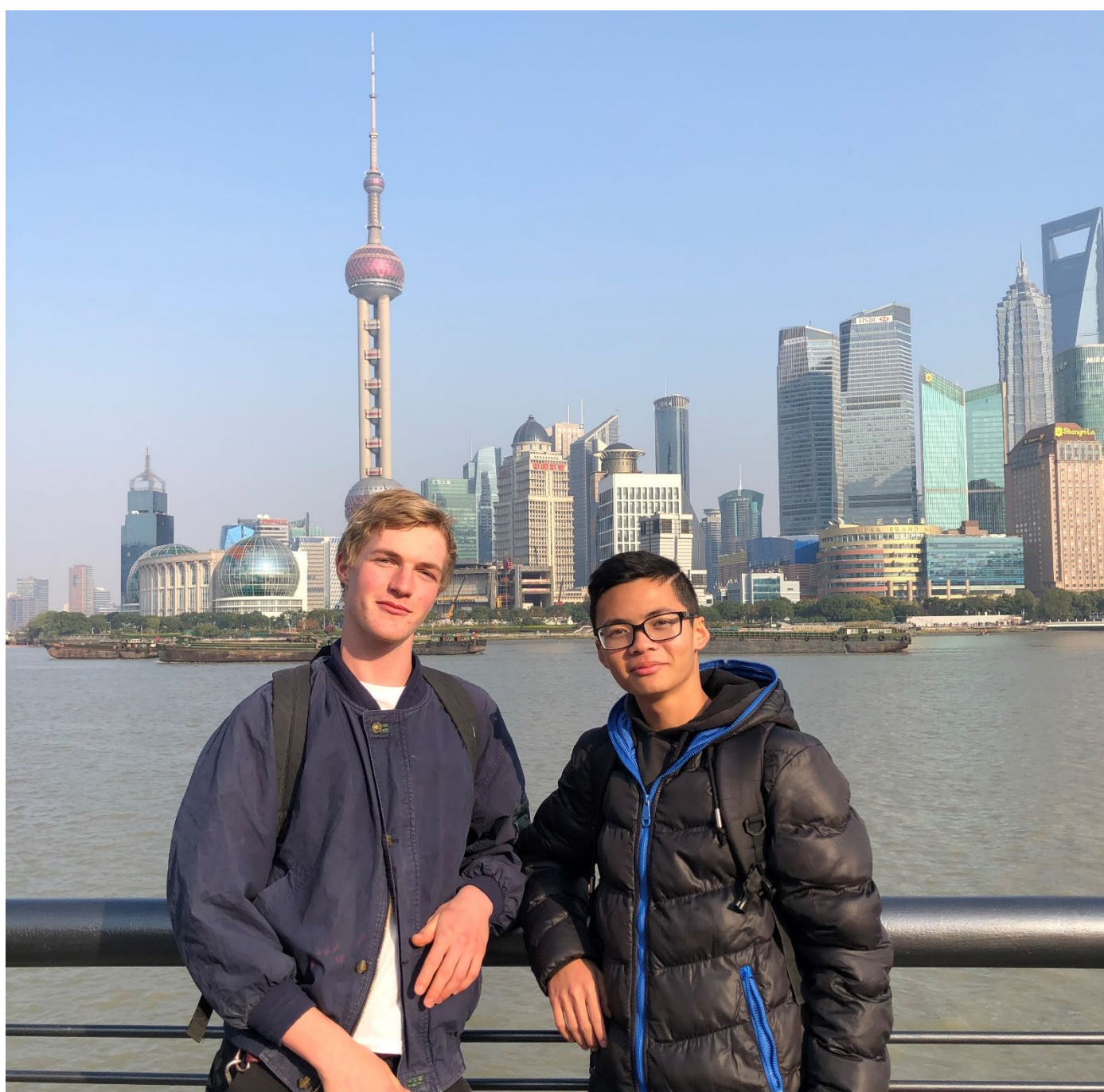
SCHOLARSHIP



**COURSE COMPONENTS**

- Chinese culture and cultural differences
- Developing reading and writing Chinese
- Communicate points of view
- Participate in Chinese cultural activities, festivals, and food-related experiences
- Students may also have the opportunity to take part in the domestic China Study Tour or China trip

10	14	0	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: Open				



# MAAORI STUDIES

## Introduction

L1

MAO100 – Te Reo Maaori

L2

MAO200 – Te Reo Maaori

MHS200 – Marae Hospitality

MPA200 – Maaori Performing Arts

L3

MAO300 – Te Reo Maaori

MPA300 – Maaori Performing Arts



## NCEA LEVEL 1

## MAO100

## TE REO MAAORI



This course will expand your understanding of Te Reo Maaori and tikanga Maaori and develop your knowledge of Maaori, history and culture.

## COURSE COMPONENTS

- Research Maaori mythology, history and culture
- Use conversation language in a variety of situations
- Improve speaking and writing skills

0	12	12	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Y10 Te Reo Maaori					

## NCEA LEVEL 2

## MAO200

## TE REO MAAORI



This course will further expand your understanding of Te Reo Maaori and tikanga Maaori, develop your language fluency and increase your knowledge of Maaori, history and culture.

## COURSE COMPONENTS

- Conduct research in a Maaori context
- Use complex language in a variety of situations
- Gain fluency in spoken and written language

0	16	16	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: MAO100					

## NCEA LEVEL 2

## MHS200 MARAE HOSPITALITY

Students in this course will individually develop collaborative cooking and service skills to provide kai in a marae setting, preparing them for hospitality and tourism pathways

## COURSE COMPONENTS

- Food safety
- Developing cooking skills: boiling / baking / frying / roasting
- Learning appropriate tikanga, and developing manaakitanga and whanaungatana
- Food service for manahuri at marae events

0	24	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

## NCEA LEVEL 2

## MPA200

## MAAORI PERFORMING ARTS



This course will develop your performance abilities in kapa haka, music, and dance. It will give you an insight into Maaori culture and traditions.

## COURSE COMPONENTS

- Develop knowledge of kapa haka, music, and dance
- Develop confidence to perform kapa haka, music, and dance on a stage
- Develop skills in the performance of waiata and haka

0	22	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: MAO100					

**NCEA LEVEL 3**

**MAO300**

**TE REO MAAORI**



This course will solidify your understanding of Te Reo Maaori and tikanga Maaori, further develop your language fluency, and increase your knowledge of Maaori, history and culture.

SCHOLARSHIP

UE

**COURSE COMPONENTS**

- Research contemporary issues from a Maaori perspective
- Use increasingly complex language in a variety of situations
- Consolidate writing and language fluency

0	16	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: MAO200					

**NCEA LEVEL 3**

**MPA300**

**MAAORI PERFORMING ARTS**



This course will expand your performance abilities in kapa haka, music, and dance. It will give you greater insight into Maaori culture and traditions.

**COURSE COMPONENTS**

- Develop knowledge of kapa haka, music, and dance
- Develop confidence to perform kapa haka, music, and dance on a stage
- Develop composition skills in the writing of and performance of waiata and haka

0	22	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					



# MATHEMATICS

## Introduction

**L1** MAT100 – Mathematics

**L2** MAT200 – Mathematics  
 MAC200 – Mathematics – Calculus  
 MAS200 – Mathematics – Statistics

**L3** MAT300 – Mathematics  
 MAC300 – Mathematics – Calculus  
 MAS300 – Mathematics – Statistics



**NCEA LEVEL 1**

**MAT100 MATHEMATICS**




This course has a strong focus on mathematical and statistical skills. This course prepares for all pathways for the Level 2 Mathematics courses.

**COURSE COMPONENTS**

- Explore data using statistical inquiry process
- Demonstrate mathematical reasoning for number, algebra and measurement

5	5	0	0	0	0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					







**NCEA LEVEL 2**

**MAC200 MATHEMATICS – CALCULUS** 

This course is designed for students who wish to pursue Mathematics to a higher level. It is an excellent preparation for NCEA Level 3 Calculus and Statistics.


**COURSE COMPONENTS**

- Apply algebraic and calculus methods to solve application problems
- Form and solve linear and quadratic equations simultaneously
- Form equations and display linear and non-linear graphs and connect the structure of the functions with their graphs

 9	 8	 0	 ± 17	 R 0	 W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open







**NCEA LEVEL 2**

**MAS200 MATHEMATICS – STATISTICS** 

This course is aimed at students who wish to pursue Statistics to a higher level. It is an excellent preparation for NCEA Level 3 Statistics Course.


**COURSE COMPONENTS**

- Design a questionnaire for a survey, plan and conduct an experiment, and report the findings
- Evaluate a statistically based report to assess its quality and design, carry out a simulation, and report the findings
- Develop further skills in probability problem solving

 4	 10	 10	 ± 14	 R 0	 W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open







**NCEA LEVEL 2**

**MAT200 MATHEMATICS** 

This course is aimed at students that may struggle with the fast pace of the calculus and statistics courses and may want to pursue a vocational pathway.


**COURSE COMPONENTS**

- Solve problems involving right angle and non-right angles triangles, equations and graphs
- Generate rules from sequence and use that to solve problems
- Use network theory to solve real life problems
- Develop further skills in algebra and graphs

 4	 11	 0	 ± 15	 R 0	 W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open







**NCEA LEVEL 3**

**MAC300 MATHEMATICS – CALCULUS** 

This course provides excellent preparation for university study in several subject areas including medicine and engineering.

**COURSE COMPONENTS**

- Use differentiation and integration to solve application problems
- Develop equations in trigonometry to model real life happenings
- Expand your algebra knowledge to include imaginary numbers

 17	 7	 0	 ± 24	 R 0	 W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS


ENTRY REQUIREMENT: Open

**SCHOLARSHIP**  
**UE**



**NCEA LEVEL 3**

**MAS300 MATHEMATICS – STATISTICS**



This course provides excellent preparation for many Mathematics, Statistics, Science and Commerce tertiary courses.

**COURSE COMPONENTS**

- Interpret and analyse time series and bivariate data with meaning
- Extend knowledge of statistical investigation to do formal inference
- Further develop understanding of probability concepts and probability distributions


**SCHOLARSHIP** **UE**

<b>↗ 8</b>	<b>↘ 12</b>	<b>📖 12</b>	<b>± 20</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Open

**NCEA LEVEL 3**

**MAT300 MATHEMATICS**



This course provides a wider mathematics coverage with a selection of internally assessed topics with both the Calculus and Statistics domains. It provides the basic mathematics knowledge for some polytechnic and university studies.

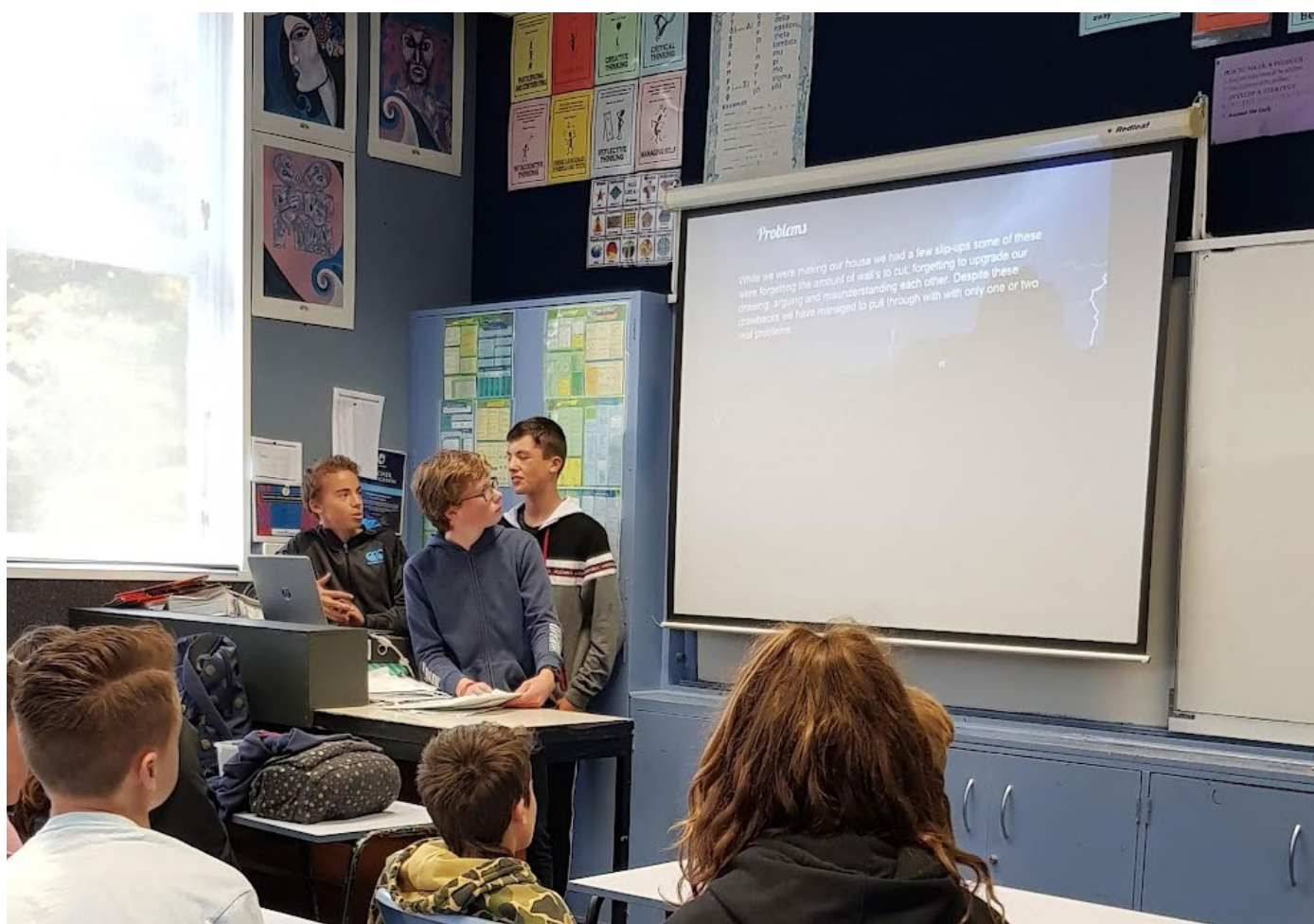
**COURSE COMPONENTS**

- Interpret and analyse time series, bivariate and statistical inference data
- Apply linear programming methods, network theory and simultaneous equations to solve real life problems

**UE**

<b>↗ 0</b>	<b>↘ 18</b>	<b>📖 0</b>	<b>± 18</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Open



# PATHWAYS

## Introduction

**L1** SFP100 – Senior Foundation Programme

**L2** GAT200 – Gateway

**L3** PET300 – Pre-Employment Training



## NCEA LEVEL 1

## SFP100

## SENIOR FOUNDATION PROGRAMME



The Senior Foundation Programme is for students in Year 11 who need a little more flexibility in their subject choices. The programme is designed to focus on introducing the kind of skills necessary for employment and life beyond school.

## COURSE COMPONENTS

- Literacy and Numeracy in the workplace
- Financial literacy
- Drivers licence (theory)
- Health and Safety at work
- Health and Wellbeing
- Careers/Pathways
- NCEA Supported Learning credits
- CPR (first aid) training

0	20+	10	± 10	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS



**ENTRY REQUIREMENT:** Places are limited and priority will be given to students who have previously received support for their learning in school.

## CORRESPONDENCE / TE KURA POUNAMU

Correspondence study is available to students who meet certain criteria. Such study is not available for any subject that is taught at Fairfield College. Any enrolment in a correspondence subject must be processed through the Year Level Dean and then the Pathways Director will complete the enrolment.

## NCEA LEVEL 2

## GAT200

## GATEWAY



Gateway is a program that prepares students for a successful transition into the workplace, provides an industry-based experience and qualifications, and supports the development of a vocational pathway.

## COURSE COMPONENTS

- Demonstrate knowledge of Health and Safety in the Workplace
- Implement job search skills and practice formal interviews
- Explore future pathways and develop the knowledge and skills to be prepared for independent living
- Participate in an industry-based work experience
- Develop an understanding of employment rights and responsibilities

0	20+	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS



**ENTRY REQUIREMENT:** Participation in a work experience placement is an essential requirement. Consistent attendance is expected, as reliability and punctuality are essential employability skills.

## NCEA LEVEL 3

## PET300

## PRE-EMPLOYMENT TRAINING



Pre-employment Training is a program that aims to prepare students for a successful transition into an apprenticeship and/or specific employment opportunity. Students will complete industry-based standards, develop their employment skills, and participate in the Career Navigator mentoring program. Year 12 students who are enrolled in the Waikato Trades Academy or Primary ITO are encouraged to take this as one of their Year 13 subjects.

## COURSE COMPONENTS

- Attain essential employment skills and qualifications
- Goal setting and independent living
- Evaluating options to increase personal income and opportunities
- Industry based work experience
- Employment rights and responsibilities

0	20	0	± 20	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS



**ENTRY REQUIREMENT:** All interested students in this program must attend an interview with Mr Smith and Mrs Cosgrove to assess the suitability towards this program and to identify selected pathways. Students are encouraged to participate in a work experience placement and are expected to enrol in the Career Navigator mentoring program.

# SCIENCE

## Introduction

L1

SCI100 – Science

L2

BIO200 – Biology

CHE200 – Chemistry

ESS200 – Earth & Space  
Science

PHY200 – Physics

L3

BIO300 – Biology

CHE300 – Chemistry

PHY300 – Physics



## NCEA LEVEL 1

## SCI100

## SCIENCE



This course is designed to prepare students with the required foundation knowledge and skills required for success in specialist senior subjects at Year 12.

## COURSE COMPONENTS

- Learning topics will focus on aspects of Chemistry, Physics and Biology and Earth Science. Content will be delivered at Y11 level
- Chemistry includes atoms, ionic compounds, and chemical reactions
- Biology includes genetics
- Physics includes motion, forces, and energy
- Students will be developing their oral and written communication skills in Y11 science concepts. Numeracy skills including calculations and interpreting graphical data

4	8	4	4	0	0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open entry. Good attendance and work ethic will result in success					

## NCEA LEVEL 2

## BIO200

## BIOLOGY



Biology covers a range of learning from all aspects of the living world. Biology is needed for pathways in education, health, forestry, environment, nursing, animal welfare and biotechnology.

## COURSE COMPONENTS

Learning topics will focus on aspects of biology including:

- The structure and function of how cells work and using microscopes
- Genetic variation in living things and inheritance
- Adaptations in animals
- Ecological principles and the environment

8	12	15	4	0	0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Demonstrating success in Y11 Biology concepts. HoF and TIC discretion					

## NCEA LEVEL 2

## CHE200

## CHEMISTRY



This course gives students specialist learning in chemistry concepts and prepares students for success in Year 13. Students considering education, engineering, health or technology pathways should consider studying chemistry.

## COURSE COMPONENTS

Learning topics will focus on aspects of chemistry including:

- Analysing solutions for their chemical components and concentration
- Calculations in a chemical context
- The structure of substances and explaining their properties
- Investigating a range of chemical reaction types
- Investigating the properties of a range of chemical substances
- Learning concepts through experimental work

9	7	9	4	0	0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Demonstrating success in Year 11 Chemistry concepts. HOF and TIC discretion					

## NCEA LEVEL 2

## ESS200

## EARTH &amp; SPACE SCIENCE



This course gives students the opportunity to engage with Level 2 Science learning in geology and astronomy with particular focus on contexts relevant to Aotearoa. This is an open entry course for any student who is interested in this learning area of science. A pathway into Year 13 is possible.

## COURSE COMPONENTS

- Practical investigation in a related context (e.g., solar light, rockets, waterways)
- Geological processes of Aotearoa
- Organisms that live in extreme environments
- Understandings of star and planetary systems

4	12	16	4	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: Open to all Year 12 students who took SCI100 in Year 11				

## NCEA LEVEL 2

## PHY200

## PHYSICS



This course gives students specialist learning in physics concepts and prepares students for success in Year 13. Students considering education, engineering, aviation, medical imaging or technology pathways should consider studying physics.

## COURSE COMPONENTS

Physics is the study of natural phenomena, and how and why they occur. This will include the concepts of:

- Mechanics including motion, forces and energy transfer in linear and circular systems
- Static and DC electricity and magnetic fields
- Wave phenomena of light (lenses, mirrors) and sound
- Nuclear physics and radioactivity
- A strong emphasis in this course is using mathematics to explain principles

16	7	19	16	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: Demonstrating success in Year 11 Physics concepts. Achievement in Year 11 Mathematics (algebra skills) HOF and TIC discretion				

## NCEA LEVEL 3

## BIO300

## BIOLOGY



Learn about the interactions of plants and animals with their environment, and how this can lead to change in populations over time.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- The homeostatic systems that exist in animals
- The story of evolution, including human evolution
- Research a socio-scientific topic in a biological context
- How plants and animals respond to their environment
- Human manipulation of genetics
- There are a number of standards offered in this course. Students will be able to select those that best suit their pathway and achievement

13	10	13	0	R 6	R/W 16
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	L2 READING CREDITS	BOTH L2 READING OR WRITING CREDITS
<input checked="" type="checkbox"/>	ENTRY REQUIREMENT: Achievement in L2 Biology standards				

## NCEA LEVEL 3

## CHE300

## CHEMISTRY



This course gives students specialist learning in chemistry concepts at an advanced level. There is a stronger emphasis on mathematical skills in this course.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Comparing redox reactions involved in batteries and electrolysis
- Reactions of organic molecules
- Properties of atoms and the periodic table, molecules and compounds
- Thermodynamics principles of energy and entropy
- Determining the structure of organic molecules by spectroscopic techniques

10	9	16	$\pm$ 0	R 0	R/W 3
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	L2 READING CREDITS	BOTH L2 READING OR WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Achievement in L2 Chemistry standards					

## NCEA LEVEL 3

## ESS300

## EARTH &amp; SPACE SCIENCE

This course gives students the opportunity to engage with Level 3 Science learning in geology, the oceans, and the atmosphere with particular focus on contexts relevant to Aotearoa. This is an open entry course for any student who is interested in these learnings, although they should have achieved some credits in ESS200.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Practical investigation in a related context (e.g. solar light, rockets, waterways)
- Socio-scientific issue in a related context
- Dating geological events in Aotearoa
- Understanding of processes in the atmosphere

4	12	16	$\pm$ 4	R 8	R/W 4
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	L2 READING CREDITS	BOTH L2 READING OR WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open entry but students should have achieved some credits in ESS200					

## NCEA LEVEL 3

## PHY300

## PHYSICS



This course gives students specialist learning in physics concepts at an advanced level. There is a stronger emphasis on mathematical skills in this course.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Mechanics of translational, rotational (including gravity) and oscillating systems
- Electrical systems involving AC and DC current
- Complex wave systems (interference, diffraction)
- Modern nuclear physics (particle physics and quantum mechanics)

16	3	23	$\pm$ 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	L2 READING CREDITS	L2 WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Achievement in L2 Physics topics (at least one external) and L2 Maths					

# SOCIAL SCIENCES

## Subject Overview

<p><b>L1</b></p> <p>DTS100 – Digital Technology Studies</p> <p>GEO100 – Geography</p> <p>HST100 – History Studies</p>	<p><b>L2</b></p> <p>DTS200 – Digital Technology Studies</p> <p>GEO200 – Geography</p> <p>HIS200 – History</p> <p>TOR200 – Tourism</p>	<p><b>L3</b></p> <p>DTS300 – Digital Technology Studies</p> <p>GEO300 – Geography</p> <p>HIS300 – History</p> <p>TOR300 – Tourism</p>
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## NCEA LEVEL 1

## DTS100

## DIGITAL TECHNOLOGY STUDIES



Digital technologies are influenced by the worldview and experiences of the people who create them. In Digital Technology Studies we look at learning and applying whanaungatanga, auahatanga, and manaakitanga to a digital process. In this course students will learn a range of tools to create purposeful digital outcomes through an iterative process. Students will have a chance to learn animation, game design and Python coding language.

## COURSE COMPONENTS

- Develop computational thinking skills and the ability to design and develop digital outcomes
- Discover how computers represent and process data, and the kaitiakitanga and ethical issues surrounding its use
- Topics covered in the two internals may include animation or game design, and the external will cover understanding of usability in human-computer interfaces (optional)

↗ 5

↖ 10

📖 0

± 0

R 0

W 0

EXTERNAL CREDITS

INTERNAL CREDITS

L1 LITERACY CREDITS

NUMERACY CREDITS

UE READING CREDITS

UE WRITING CREDITS



ENTRY REQUIREMENT: Open

## NCEA LEVEL 1

## GEO100

## GEOGRAPHY



Geography is the study of te taiao and the interactions within. Te taiao consists of all things to do with the environment, including the natural environment and people. In Geography we consider where features are located, how these features interconnect and how they can change over time. This course is a continuation of skills and knowledge gained in Year 9 and 10 Social Sciences/Social Studies in the junior school.

## COURSE COMPONENTS

- Demonstrate an understanding of spatial distribution of phenomena and its impacts on te taiao. Natural processes – earthquakes and extreme natural events
- Explore te taiao using data. Student research – school-based using weather stations
- 2 fields trips (in 2023, this was Hobbiton and Waitomo caves)

↗ 5

↖ 10

📖 10

± 0

R 0

W 0

EXTERNAL CREDITS

INTERNAL CREDITS

L1 LITERACY CREDITS

NUMERACY CREDITS

UE READING CREDITS

UE WRITING CREDITS



ENTRY REQUIREMENT: Open

## NCEA LEVEL 1

## HST100

## HISTORY STUDIES



This course combines the subjects of History and Social Studies. Through this class, we can understand how our histories are shaped and how actions of the past influence our understanding of ourselves and the world around us. In this course, you will harness the power of critical thinking by exploring the influence of power, and the construction and contestation of historical narratives. This will occur through analysis of primary sources and significance of key historical events in Aotearoa New Zealand and overseas. History can enrich your knowledge and skills to support you in further study, the workforce and being an active member of society.

## COURSE COMPONENTS

- Develop critical thinking, writing, research and evaluation skills, engage with a variety of perspectives and primary sources
- An ability to link overseas historical events' significance and impact on wider society, as well as Aotearoa
- Topics covered in the two internals include the 1981 Springbok Tour (with the Waikato playing a historical role!) and the Black Civil Rights Movement in the USA.

↗ 0

↖ 15

📖 15

± 0

R 0

W 0

EXTERNAL CREDITS

INTERNAL CREDITS

L1 LITERACY CREDITS

NUMERACY CREDITS

UE READING CREDITS

UE WRITING CREDITS



ENTRY REQUIREMENT: Open

## NCEA LEVEL 2

## DTS200

## DIGITAL TECHNOLOGY STUDIES



Building on skill development in Year 11, students will be given the opportunity to use Adobe Creative Suites and other online learning tools to design, develop and create an advanced media outcome. Animations or movies are to be created through the Agile project management process. However, it is also possible for students to drive their own passion project that suits NCEA requirements. Computational thinking leads to producing a program through Python to solve more advanced problems.

## COURSE COMPONENTS

- Programming
- Research, design development and plan based on conventions
- Creativity
- Effective use of project management

3	19	6	0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

## NCEA LEVEL 2

## GEO200

## GEOGRAPHY



This course further develops an understanding of the world covering both naturally occurring events and the twists and turns of man-made geographic issues. Students will conduct specific research through various perspectives of groups and individuals.

## COURSE COMPONENTS

- Student research – micro-climates and Raglan fieldtrip
- Analysis of geographic issues – contemporary issue of 1080 poison use
- Global pattern – tropical rainforests

8	11	0	0	R 4	W 4
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

## NCEA LEVEL 2

## HIS200

## HISTORY



This course helps students to understand people and societies. Students will investigate their own perspective on issues as a Historian. History is a useful subject that helps to develop literacy skills, critical thinking and persuasive writing. It also helps students to understand why society is the way it is, and our place in it. This course consists of three main topics: The Invasion of Parihaka and the New Zealand Wars, The Vietnam War (optional exam) and a student selected topic.

## COURSE COMPONENTS

- Develop a deeper understanding of New Zealand heritage, culture, shared values and place in the world
- Understand how the modern world is shaped
- Develop skills using historical inquiry

5	14	0	0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

## NCEA LEVEL 2

## TOR200

## TOURISM



The tourism industry in New Zealand is being reimagined. This means that the industry will need to adapt and pivot to the changing times. A post-Covid industry will need people who are adaptable and have a solid understanding of the challenges the industry is facing now and into the future. Year 12 Tourism is a course designed as a direct pathway into the travel and tourism industry.

## COURSE COMPONENTS

- Work roles in tourism
- World tourist destinations
- History of tourism
- New Zealand destinations

0	15	0	0	0	0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

## NCEA LEVEL 3

## DTS300

## DIGITAL TECHNOLOGY STUDIES



Building on skill development in Year 12, students will be given the opportunity to use Adobe Creative Suites and other online learning tools to design, develop and create a complex media outcome. Students are to create a part of the school magazine through the Agile project management process. However, it is also possible for students to drive their own passion project that suits NCEA requirements. Computational thinking leads to producing a program through Python to solve more complex problems.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Programming
- Research, design development and plan based on User Experience methodologies
- Creativity
- Collaboration and problem-solving skills
- Effective use of project management

4	14	0	0	0	3
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Achievement in Level 2 Digital Technology Studies					

## NCEA LEVEL 3

## GEO300

## GEOGRAPHY



This course further develops learning from Level 2 and focuses on the national and cultural aspects of Geography. The external required for university entrance examines a unique New Zealand geographic environment shaped by natural processes. A field trip to the Waitomo Caves will aid understanding of the processes that form a karst landscape.

SCHOLARSHIP

UE

## COURSE COMPONENTS

- Waitomo caves field trip – glow worm cave and Ruakuri cave
- Student led research – scenario based at Fairfield College
- Local and global contexts – climate change impacts on New Zealand
- Global geographic topic – tropical coral reefs

8	11	0	0	11	08
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

**NCEA LEVEL 3**

**HIS300**

**HISTORY**



SCHOLARSHIP

UE

History 300 presents students with the dilemmas, choices, and beliefs of people in the past. It connects students with the wider world as they develop their own identities, standpoints, and sense of place. In History students develop the ability to construct an argument and communicate findings in a clear and persuasive manner, both orally and in writing. Students will also assess evidence and conflicting interpretations of events and people enabling critical thinking and analysis.

**COURSE COMPONENTS**

- Student directed research – Topic of choice: D day, dawn raids, influenza, WWII
- Develop essential skills of analysis and reflection
- Challenges students to think critically about the past – Hiroshima bombing

↗ 5	↖ 15	📖 0	± 0	R 5	W 5
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					

**NCEA LEVEL 3**

**TOR300**

**TOURISM**



The tourism industry in New Zealand is being reimagined. This means that the industry will need to adapt and pivot to the changing times. A post-Covid industry will need people who are adaptable and have a solid understanding of the challenges the industry is facing now and into the future. Year 13 Tourism is a course designed as a direct pathway into the travel and tourism industry.

**COURSE COMPONENTS**

- Australia as a tourist destination
- Knowledge of the tourism industry
- Pacific Island tourism destinations

↗ 0	↖ 23	📖 0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Open					



# HARD MATERIALS TECHNOLOGY

## Introduction

**L1**

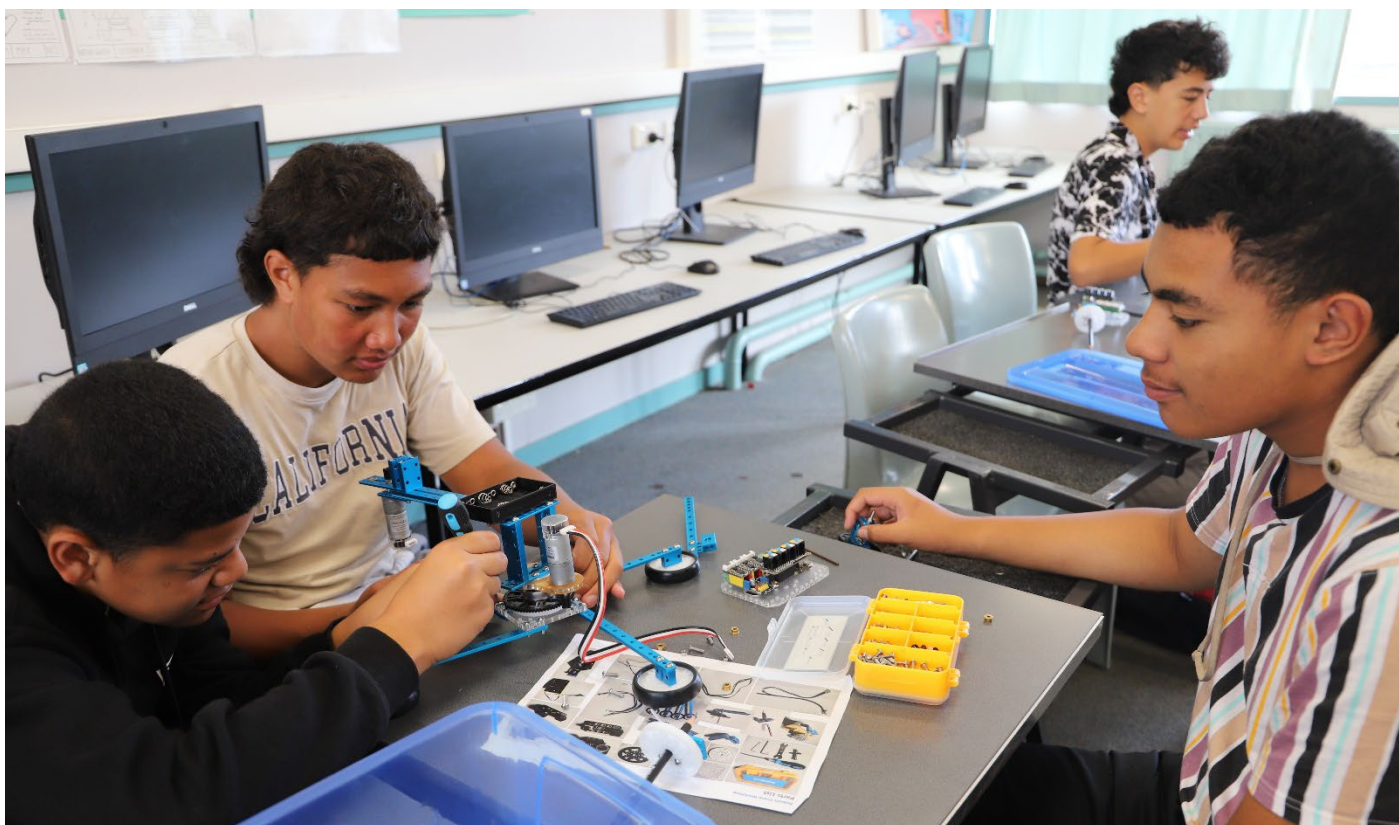
- DVC100 – Design and Visual Communication
- ELE100 – Electronics
- ENN100 – Engineering & Product Design
- TAB100 – Technology & Building

**L2**

- ELE200 – Electronics
- ENN200 – Engineering & Product Design
- TAB200 – Technology & Building

**L3**

- ENN300 – Engineering & Product Design
- TAB300 – Technology & Building







**NCEA LEVEL 1**

**ELE100 ELECTRONICS** 

This course is a two-year curriculum to acquire experience in electronics and computer system development skills. It will benefit students considering a career pathway in trades or engineering, e.g. electrician, auto electrician, security and alarm technician, mechatronics, electronics engineering, software engineering, etc.


**COURSE COMPONENTS**

- Project-based learning – students develop their own product using an Arduino microcontroller board and C programming language. Students are exposed to a variety of electronic sensors and actuators during the product design process
- Develop knowledge of circuit concepts and measurements for electronics
- Understand engineering terminology, circuit diagram and documentation
- Workshop skills include workshop safety, soldering, making circuit boards, and troubleshooting with multimeter and oscilloscope

 <b>0</b>	 <b>11</b>	 <b>0</b>	 <b>0</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Years 9 & 10 Electronics





**NCEA LEVEL 1**

**DVC100 DESIGN AND VISUAL COMMUNICATION** 

Design and Visual Communication allows our students to work on a brief that solves a need that someone has. Using these skills our students will be able to look at solutions that help.


**COURSE COMPONENTS**

- Design, research and develop ideas through use of skills like sketching, rendering to show materials used, and working drawings that are able to be constructed

 <b>6</b>	 <b>6</b>	 <b>0</b>	 <b>± 0</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Year 9 or DVC course participation





**NCEA LEVEL 1**

**TAB100 TECHNOLOGY & BUILDING** 

This course is based on the BConstructive programme and will build the skills required to enter a trade.


**COURSE COMPONENTS**

- You will add to your safety skills
- Project-based study
- Materials and tool knowledge
- Construction industry skills

 <b>0</b>	 <b>10</b>	 <b>0</b>	 <b>± 0</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Year 10 Wood or interview with the HOF





**NCEA LEVEL 1**

**ENN100 ENGINEERING & PRODUCT DESIGN** 

This course is a two-year curriculum to acquire experience in engineering skills. It will benefit students considering a career pathway in trades or engineering, e.g. plumbing, electrician, auto mechanic, mechanical engineering, manufacturing, civil engineering, etc.

**COURSE COMPONENTS**


- Project-based learning – students develop their own outcomes within a chosen context
- Simple product design
- Understand engineering terminology and drawings
- Workshop skills including workshop safety, welding, lathe work, the milling machine, marking out, manufacturing, etc

 <b>0</b>	 <b>15</b>	 <b>0</b>	 <b>±</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Year 10 Metalwork/Year 10 Graphics (preferred)









**NCEA LEVEL 2**

**ELE200 ELECTRONICS** 

This course is the second year that students work on a curriculum to acquire experience in electronics and computer system development skills. It will benefit students considering a career pathway in trades or engineering, e.g. electrician, auto electrician, security and alarm technician, mechatronics, electronics engineering, software engineering, etc.

**COURSE COMPONENTS**

- Project-based learning – students develop their own product using an Arduino microcontroller board and C programming language. Students are exposed to a variety of electronic sensors and actuators during the product design process
- Develop knowledge of circuit concepts and measurements for electronics
- Develop in-depth understanding and usage of basic electronic components
- Understand engineering terminology, circuit diagram and documentation
- Workshop skills include workshop safety, soldering, making circuit boards, and troubleshooting with multimeter and oscilloscope

 0	 16	 0	 ±	 R 0	 W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Years 9 & 10 Electronics







**NCEA LEVEL 12**

**ENN200 ENGINEERING & PRODUCT DESIGN** 

This course is the second year that students work on a curriculum to acquire experience in engineering skills. It will benefit students considering career pathway in trades or engineering, e.g. plumbing, electrical, auto mechanic, mechanical engineering, manufacturing, civil engineering, etc.

**COURSE COMPONENTS**

- Project-based learning – students develop their own outcomes within a chosen context
- Simple product design
- Understand engineering terminology and drawings
- Workshop skills including workshop safety, welding, lathe work, the milling machine, marking out, manufacturing, etc

 0	 15	 0	 ± 0	 R 0	 W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: ENN100






**NCEA LEVEL 2**

**TAB200 TECHNOLOGY & BUILDING** 

This course is based on the BConstructive programme and will build the skills required to enter a trade.

**COURSE COMPONENTS**

- You will add to your safety skills
- Project-based study
- Materials and tool knowledge
- Construction industry skills

 0	 18	 0	 ± 0	 R 0	 W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Year 10 Wood or interview with the HOF

**NCEA LEVEL 3**

**ENN300 ENGINEERING & PRODUCT DESIGN**



If you want to continue study in Engineering and are considering a university pathway, then this is the course for you. Following the Level 3 Technology Achievement Standards you will be able to submit assignment work that shows the need for something, and how you plan to address this need and get to a suitable solution.

**COURSE COMPONENTS**

- Project-based learning – students develop their own outcomes within a chosen subject
- Simple product design
- Understand engineer terminology and drawings
- Workshop skills including workshop safety, welding, lathe work, the milling machine, marking out, manufacturing, etc.

0	14	0	0	0	0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: ENN200 (preferred)					

**NCEA LEVEL 3**

**TAB300 TECHNOLOGY & BUILDING**



This course is based on the BConstructive programme and will build the skills required to enter a trade.

**COURSE COMPONENTS**

- You will add to your safety skills
- Project-based study
- Materials and tool knowledge
- Construction industry skills

0	13	0	0	0	0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS
<input checked="" type="checkbox"/> ENTRY REQUIREMENT: Year 10 Wood or interview with the HOF					





# SOFT MATERIALS TECHNOLOGY

## Introduction

**L1**

FOT100 – Food Technology  
TET100 – Textiles Technology

**L2**

HOS200 – Hospitality  
FOT200 – Food Technology  
TET200 – Textiles Technology

**L3**

FOT300 – Food Technology  
TET300 – Textiles Technology



**NCEA LEVEL 1**

**FOT100 FOOD TECHNOLOGY**

Students in this course will individually plan, develop and produce high quality food items.

**COURSE COMPONENTS**

- Food research and design
- Product development
- Testing and reporting
- Cooking and presentation
- Food safety

0	10	0	±	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open

**NCEA LEVEL 1**

**TET100 TEXTILES TECHNOLOGY**



This course leads to a university approved subject which will develop skills to make garments while learning about the function of fabric used in everyday life.

**COURSE COMPONENTS**

- Make a simple garment or item
- Produce quality textile garments, items or prototypes
- Create design features

0	10	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open

**NCEA LEVEL 2**

**FOT200 FOOD TECHNOLOGY**

Students in this course will individually plan, develop and produce high quality food items.

**COURSE COMPONENTS**

- Food research and design
- Product development
- Testing and reporting
- Cooking and presentation
- Food safety

5	20	0	±	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open

**NCEA LEVEL 2**

**HOS200 HOSPITALITY**

Students in this course will develop functional cooking and food service skills to prepare them for hospitality and food service pathways.


**COURSE COMPONENTS**

- Food safety
- Developing cooking skills: boiling / baking / frying / roasting
- Presentation and food service

0	24	0	± 0	R 0	W 0
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

ENTRY REQUIREMENT: Open





**NCEA LEVEL 2**

**TET200 TEXTILES TECHNOLOGY** 

This course leads to a university approved subject. This course focuses on developing knowledge of an advanced range of skills using design and construction techniques with textile fabric to make garments, items or prototypes, while learning about the function of fabrics for everyday life. It is suitable for both academic and industry pathways with many choices to suit the student's needs.

**COURSE COMPONENTS**


- Knowledge of fabrics for specific purposes
- Design elements used in garment making
- Construction skills and techniques
- Producing quality finished garments, items or prototypes

 <b>4</b>	 <b>22</b>	 <b>4</b>	 <b>± 0</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Open, but preferably have a little knowledge of Textiles at Years 9, 10 or 11





**NCEA LEVEL**

**FOT300 FOOD TECHNOLOGY**

Students in this course will individually plan, develop and produce high quality food items. 


**COURSE COMPONENTS**



- Food research and design
- Product development
- Testing and reporting
- Cooking and presentation
- Food safety

 <b>5</b>	 <b>20</b>	 <b>0</b>	 <b>±</b>	<b>R 0</b>	<b>W 0</b>
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	UE READING CREDITS	UE WRITING CREDITS

**ENTRY REQUIREMENT:** Open





**NCEA LEVEL 3**

**TET300 TEXTILES TECHNOLOGY** 

This is a university approved subject. This course focuses on developing knowledge of advanced range of skills using design and construction techniques with textile fabric to make garments, items or prototypes, while learning about the function of hard to manage fabrics. It is suitable for both academic and industry pathways with many choices to suit the students' needs.  

**COURSE COMPONENTS**

- Knowledge of fabrics for specific purposes
- Design elements used in garment making
- Construction skills and techniques
- Producing quality finished garments, items or prototypes
- Learning to manage hard to manage fabrics

 <b>4</b>	 <b>22</b>	 <b>16</b>	 <b>± 0</b>	<b>R &amp; W 16</b>	
EXTERNAL CREDITS	INTERNAL CREDITS	L1 LITERACY CREDITS	NUMERACY CREDITS	L2 READING & WRITING INTERNAL	

**ENTRY REQUIREMENT:** Open, but preferably have some Textiles experience at Year 10 or above

# LEARNING SUPPORT

## Introduction

Students with additional learning needs at Fairfield College are supported in a variety of ways. Our focus is to ensure that every student receives the support they need to successfully engage in the curriculum at school.

- **NZQA Special Assessment Conditions** - The learning support coordinator identifies monitors and makes applications for students eligible for SACs. On enrolment, each student completes a form detailing any pre-existing conditions likely to impact on a student's ability to perform to his or her maximum potential in NCEA assessments.
- **The Head of the Faculty of Learning Support and the Learning Support Coordinator** - liaises with Year Deans and Academic Deans to monitor the progress of students and identify potential areas of concern.
- **ESOL** – specialist teaching programmes for identified students whose first language is not English.



# SUBJECT CODES

CODE	SUBJECT
ARC	Visual Art
BIO	Biology
CHE	Chemistry
DRA	Drama
DTS	Digital Technology Studies
DVC	Design and Visual Communication
ELE	Electronics
ENG	English
ENL	English Literacy
ENN	Engineering
ENV	Visual Studies
ESS	Earth & Space Science
FOT	Food Technology
GAT	Gateway
GEO	Geography
HEA	Health Education
HFS	Health & Food Studies
HIS	History
HOS	Hospitality
HST	History Studies

CODE	SUBJECT
MAC	Mathematics – Calculus
MAN	Chinese Mandarin
MAO	Te Reo Maaori
MAS	Mathematics – Statistics
MAT	Mathematics
MHS	Marae Hospitality
MPA	Maaori Performing Arts
MUS	Music
OED	Outdoor Education
PHE	Physical Education
PHY	Physics
PET	Pre-Employment Training
SCI	Science
SFP	Senior Foundation Programme
SPL	Sport & Leadership
TAB	Technology & Building
TET	Textiles Technology
TOI	Toi Whakairo - Maaori Carving
TOR	Tourism



