



# Course Selection



It is important to choose senior courses carefully as your decisions may affect the types of pathways toward employment you choose in the future, your success and your feelings about school. All students in Year 10, 11 and 12 will receive advice from their Learning Advisor to ensure that a sensible and realistic course of study is planned. Parents will also be involved in this decision, and they **must** approve the proposed course. Course counselling will take place in weeks 3 - 7 of Term 3.

If you need help with your choice of subjects please ask:

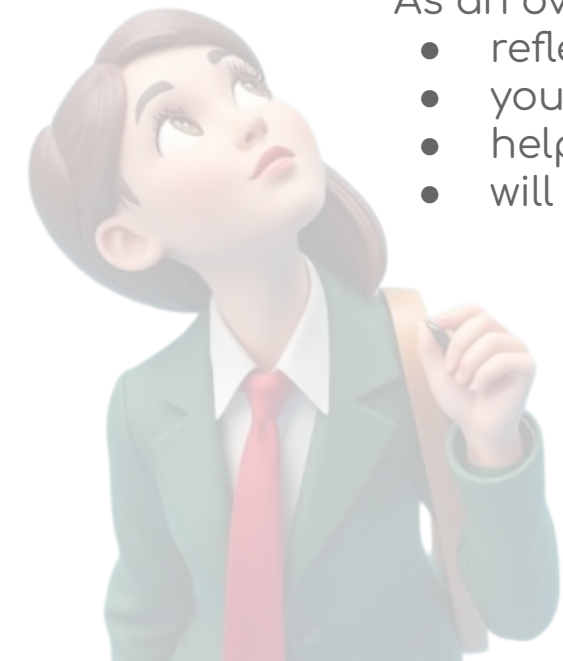
- Your present subject teacher or the relevant head of department
- Your Learning Advisor or a teacher who knows you well
- Your Pastoral Manager or the Careers Advisor, Mrs Shearer

Research shows that the two main influences on subject choices are what courses your friends are taking or who is teaching a particular course. Neither of these should influence your course choice. Your friends may not be in the same class as you next year, even if you take the same courses; and no-one yet knows who will be teaching any course next year so concentrate on what you need for YOUR FUTURE.

As an overall plan, it is suggested that you choose courses that:

- reflect your interests and abilities
- you have achieved good results in
- help you reach your career and employment goals
- will develop skills, knowledge and attitudes useful throughout your life

Prerequisites have been set to assist students in making realistic choices as their capability for a course must be considered to ensure success. If your NCEA Credits or Unit Standard credits are not good enough to allow you to take the course you had planned, or if you change your mind about which courses you wish to study, you will be able to make changes before the start of next year by contacting one of the people listed above.



# About NCEA



## HOW DO I GET NCEA QUALIFICATIONS?

Over the next few years, NCEA is transitioning into a new qualification.

- NCEA Levels 1, 2 and 3 are now 60-credit qualifications
- The 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
- During 2026, learners will be able to meet the 20-credit co-requisite through achieving either the new standards in Literacy-Writing, Literacy-Reading, Numeracy, or gaining 20 credits from a small list of literacy and numeracy-rich standards.

## COURSE OR SUBJECT ENDORSEMENTS

NCEA Level 1, 2 and 3 certificates can receive endorsement. Students will require **50 credits** at Excellence to gain an NCEA endorsed with Excellence. Students will require 50 credits at Merit or Excellence to gain an NCEA endorsed with Merit. Students who achieve **14 or more credits** at Achieved, Merit or Excellence in a course (subject) will receive a course endorsement. Courses that are **Unit Standards** rather than Achievement Standards based are **only eligible for Achieved** course endorsements. We encourage students to set and work towards these goals.

For further information refer to the NCEA website:

<https://ncea.education.govt.nz/overview-NCEA-corequisite-standards> or contact Miss Dollan.

# About NCEA

## BUILDING A COURSE

### LEVEL 1

Students at Waimate High School will take a course working towards a qualification called the National Certificate in Educational Achievement (NCEA), Taumata Matauranga a Motu Kua Taea. They will choose up to six subjects and each subject will offer between 15-20 credits. Unit standards courses may offer more than 20 credits. They gain credits by meeting the standards in their chosen course. Some standards will be assessed internally by the classroom teacher, and others will be assessed externally through an exam at the end of the year, or through a digital submission of work to a national examiner at allocated times throughout the year.

### LEVEL 2

Students at Level 2 level usually study six course subjects. In order to progress into Level 2 courses you will need to have satisfactorily meet necessary Level 2 course prerequisites. All students in Year 12 will discuss their course selections with their Learning Advisor to ensure that they have met the standards for study at this level and their choices are appropriate for their future plans.

Level 2 courses will be assessed by Achievement Standards and/or some Unit Standards. Completed and achieved standards gain credits towards National Certificates. Merits and Excellences at this level can be beneficial for students going onto Tertiary Education.



# About NCEA



## LEVEL 3

A standard Level 3 course will involve five subjects and a study line. For those students intending to undertake university study they will need to gain 60 Level 3 credits AND gain a minimum of 14 credits in three subjects from the list of approved Achievement Standards based subjects.

If a subject is UE (university entrance) approved, this will be indicated in the subject description in this booklet. The full list of UE approved subjects can also be found here:

<https://www.nzqa.govt.nz/qualifications-standards/awards/university-entrance/approved-subjects/>

## SCHOLARSHIP

Students could consider entering the New Zealand Scholarship in one or more subjects if they are experiencing outstanding success in their Level 3 studies. Scholarship awards range from \$500 to \$10,000.

Scholarship is a monetary award to recognize top students. It does not attract credits nor contribute towards a qualification but the fact that a student has gained a Scholarship will appear on their Record of Learning. The scholarship examinations are additional to the external exams in November.

Scholarship will enable students to be assessed against challenging standards, and will be demanding for the most able students in each subject. Scholarship students will be expected to demonstrate high-level critical thinking, abstraction and generalization skills and to integrate, synthesise and apply knowledge, skills, understanding to complex situations.



NetNZ is a community of secondary and area schools who work together to provide online learning opportunities for our students based on the New Zealand Curriculum. They have over 25 years experience enabling high quality, online education across schools and communities.

## How does it work?

Each of our schools offers at least one course with a teacher(s) which then allows them to enrol students in courses offered by NetNZ and schools across the Virtual Learning Network (NZ).

Generally a course consists of 8-15 students who are taught by an eTeacher (who will be from a participating school) using an approach that blends face-to-face style conference tutorials with a mix of online and paper based learning. You would typically find a course consists of students from 5-7 different schools throughout the country. Much of the learning will be accessed through an online space where students can receive work, download assignments, and interact with the teacher and other students.

Each participating school also provides an eDean whose role is to support the students on site and provide an important line of communication between teacher and students. This means students are not just left on their own to cope if they are having difficulties

## Our commitment

All courses offered will be aligned with the New Zealand Curriculum and NZQA requirements, will provide an on-site support person (eDean) for students, will be taught by a qualified and registered teacher from a school in NZ and will provide engaging, flexible learning using digital tools and resources blended with conference tutorials.



## Why take an online course?

- If the course / subject you want to take is not available in your own school
- If the subject you want to take clashes with another timetabled class
- If you want to experience a course that is fully online and enables you to interact with students across the country

## What students need to consider

Learning online requires the ability to manage your time effectively and direct your learning more than in a traditional classroom. With this comes a lot more flexibility, especially if you are taking more than one online course (some students have up to three). Students need to be able to take the initiative and ask the teacher, the eDean and other students for help when they need it. Learning online does not mean the absence of the teacher. In fact, because of the small number of students in a course, eTeachers can often provide more feedback than in a traditional classroom, but this feedback is usually not instant and students need to go into the programme understanding this.

## Courses in 2026

A wide variety of courses are available in the subject areas of Languages, English, Social Sciences, Maths, The Arts, Science, Technology and Health & PE. 2026 courses are currently being confirmed but it is anticipated that all those offered in 2025 will be available next year. Information about these courses can be found on: <https://journey.nz/>

There is an application process to be completed for students to be accepted into these courses.

For further information about this process see: Mrs Angela Donald (eDean)



# Vocational Courses



## DUAL PATHWAYS

Dual Enrolment programmes are a great way to earn NCEA credits and get a feel for tertiary study, while you're still at school. By gaining industry-based skills at Ara/Te Pūkenga, students can move ahead faster into higher-level study, an apprenticeship or employment. As a dual enrolment student, you will be enrolled at secondary school and Ara at the same time. For the duration of the school year, you'll spend one to two days per week at Ara/Te Pūkenga and the rest of the week at school doing your normal school classes activities. You will have access to both school and tertiary support services, which helps with a smoother transition into the workplace or education beyond school.

Dual Enrolment programmes are delivered in a variety of flexible ways that can be negotiated with your school to best meet your needs. Dual Enrolment is offered to students in Years 12 or 13, depending on the courses available. All courses are free and there may be transport options available, depending on the location however, this cannot be guaranteed in all cases. Some courses are located in Timaru and Oamaru.

Students enrolling in these courses need to give their commitment for the full year of study.

Keep an eye out for whānau information evenings at the Timaru campus. These are helpful to provide information and guidance on what is on offer in these programmes.

For further information see: Mrs Shearer.

# Vocational Courses



## GATEWAY

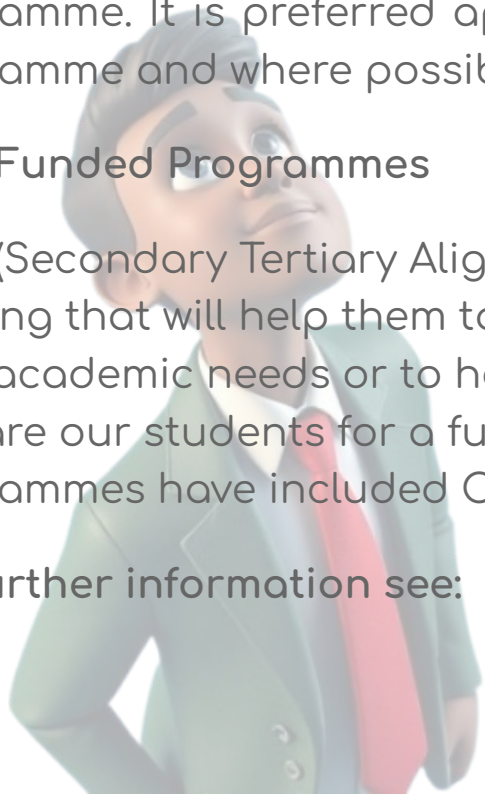
Waimate High School is part of the National Gateway Programme, administered by the Tertiary Education Commission (TEC). This programme is designed for senior students to strengthen the pathway from school to the workplace or Tertiary study. Gateway provides students with structured workplace learning, across a range of industries and businesses, while they continue to study at Waimate High School.

The work placement can be in any suitable industry that can be arranged according to the particular interests of the student. Due to student places being limited to 20 per year, students need to apply for this programme. It is preferred applicants have a good understanding of the commitment required for this programme and where possible, are proactive with names of prospective employers and businesses.

## STAR Funded Programmes

STAR (Secondary Tertiary Alignment Resource) funding is available for students to take up programmes of learning that will help them to explore a career pathway. We aim to support students with courses to meet their academic needs or to help facilitate a smooth pathway into the workforce. Together, let's inspire and prepare our students for a future full of opportunities and success. Some of our successful STAR funded programmes have included Customer Service, Barista, Food Safety, and Work ready week.

For further information see: Mrs Shearer





This course is a two year programme where students will complete a stand alone qualification in Primary Industry skills over two years.

## ■ ■ Course Components

- Build an electric fence.
- Create and build a water system.
- Manage crops for livestock feed.
- Work with livestock to maintain their growth and health.
- Cultivate soil for cropping.
- Control invasive weeds .
- Apply and manage fertilisers.

## ↕ Pathways

Tertiary study at Level 3 in Primary Industries, NZ Cert in Ag Level 3, NZ Apprenticeship in Ag Level 3 & Level 4 Breeding Livestock Farming.

## ☑ Prerequisites

Nil





This course explores the scientific knowledge required to successfully farm in New Zealand developing understanding of growing environments, plants and animals.

### ■ ■ Course Components

- Understand that primary producers manage life processes and the growing environment.
- Develop knowledge of how primary producers make informed decisions about sustainability.
- Describe how agriculture connects people to locations of purposeful production.

### ↕ Pathways

Level 2 Agricultural Science

### ☑ Prerequisites

Nil





This course uses practice-based inquiry to develop creative ideas and resolved artworks in response to a variety of influences.

## ■ ■ Course Components

- Discover more about Aotearoa New Zealand's Māori context comparing it with another cultural context.
- Explore visual art making processes.
- Create a sustained body of related art works.

## ↕ Pathways

Level 2 Painting, Level 2 Photography.

## ☑ Prerequisites

One semester of Year 9/10 Art modules recommended





This course enables students to develop an awareness of Computer and Information Technology and learn the tools necessary to operate a range of software.

## Course Components

- Explore different media types to develop a digital technologies outcome.
- Enhance knowledge and skills in programming to develop a computer program.
- Study the different heuristics or Computer Science concepts in given situations.

## Pathways

Level 2 Digital Technologies, Level 2 Computing (US).

## Prerequisites

Complete at least one of the modules highlighted in 9/10 module options. Otherwise by HOD approval.





This course develops confidence, creativity, and performance skills through the exploration of character, scripted drama, and devised theatre.

## ■ ■ Course Components

- Develop confidence and collaboration through drama.
- Explore role, character, and situation.
- Use voice, body, and movement to communicate.
- Learn and apply drama techniques and conventions.
- Devise and perform original and scripted work.
- Reflect on performance and respond to others' work.

## ↕ Pathways

Level 2 Drama

## ✓ Prerequisites

Complete at least one of the modules highlighted in 9/10 module options. Otherwise by HOD approval.





This course focuses on developing students' written, visual and oral communication skills through the study of a range of texts.

## ■ ■ Course Components

- Analyse how characteristics of verbal language are typical of their chosen context.
- Explore the relationship between specific aspects of a text, and the author's or director's purpose or the wider context.
- Write with accuracy to develop ideas for a specific purpose and audience.
- Develop an understanding of how aspects of written language work together to create meaning in texts.

## ↕ Pathways

Level 2 English

## ☑ Prerequisites

Nil





This is an English course for speakers of other languages. It focuses on helping students' confidence and competence in the English language across the Curriculum.

## ■ ■ Course Components

- Develop confidence in everyday and basic academic spoken English.
- Improve the ability to read and understand a variety of texts.
- Build skills to write for different purposes using correct structure and grammar.
- Help students navigate life in New Zealand and develop cultural awareness.

## ↔ Pathways

Level 2 ESOL, Level 1-3 English.

## ☑ Prerequisites

Nil





This course is a hands-on, creative subject that explores the Technology Curriculum through the design, development, and creation of fit-for-purpose outcomes.

## ■ ■ Course Components

- Food Technology is a University Entrance (UE) approved course.
- This course introduces students to working with a wide range of different food ingredients and investigates how ingredients are processed to produce different products.
- Processing Technology has a focus on the understanding of the performance properties of ingredients through practical work and developing a wide range of practical skills.

## ↕ Pathways

Level 2 FTE

## ☑ Prerequisites

At least one of the Year 9/10 modules recommended but not compulsory.





This course encourages students to explore the connections between people and the environment. It seeks to interpret the world and its changes over space/time.

## ■ ■ Course Components

- Demonstrate understanding of the spatial distribution of phenomena and its impacts within te taiao (the natural world).
- Explore te taiao using data.
- Demonstrate understanding of how natural processes operate within te taiao.
- Demonstrate understanding of geographic decision-making in Aotearoa New Zealand or the Pacific.

## ↕ Pathways

Level 2 and 3 Geography.

## ☑ Prerequisites

Nil





This course focuses on developing students' inquiry and understanding skills, as well as their ability to read and understand historical sources.

## ■ ■ Course Components

- Engage with a variety of primary sources in a historical context.
- Research the significance of a historical context and describe different perspectives.
- Build an understanding of historical concepts in contexts of significance to Aotearoa New Zealand.

## ↕ Pathways

Level 2 History, Level 2 Classical Studies.

## ☑ Prerequisites

Nil





This course focuses on developing students' practical, written and design skills by creating individual take home projects and trades related unit standards.

## ■ ■ Course Components

- Use practical hand skills in the creation of wood based products.
- Build skills using a variety of hand tools, machines and processes in a step by step follow the teacher approach.
- Incorporate elements of design in a practical context.
- Create a wide range of projects including furniture to be assessed using trade related Unit Standards.



## ↕ Pathways

Level 2 Hard Materials

## ✓ Prerequisites

It would help if students have done at least one HMT module in Years 9 and 10, however, it is not compulsory.





This course explores patterns and relationships in quantities, space, and time as well as patterns and relationships in data.

### ■ ■ Course Components

- Explore data using a statistical enquiry process.
- Use mathematical methods to explore problems that relate to life in Aotearoa New Zealand and the Pacific.
- Interpret and apply mathematical and statistical information in context.
- Demonstrate mathematical reasoning.

### ↕ Pathways

Level 2 Mathematics and/or Level 2 Statistics.

### ☑ Prerequisites

Nil





This course gives students the opportunity to create their own music, as well as analysing and playing existing music. Music technology will also be explored.

## ■ ■ Course Components

- Shape music ideas to create an original composition, individually or collaboratively.
- Build an understanding of music in relation to various contexts.
- Perform as a soloist or as a member of an ensemble incorporating stage presentation, technical skills and musicianship.
- Use music skills (technical, theoretical, aural and physical) in a music style.

## ↕ Pathways

Level 2 Music

## ✓ Prerequisites

At least one Year 9/10 Music module is recommended. Students should be learning an instrument through the itinerant scheme.





This course explores the importance of movement on self, others and society. Students will experience a diverse range of skills and learning opportunities.

### ■ ■ Course Components

- Apply movement strategies in an applied setting.
- Demonstrate understanding of how kotahitanga is promoted in movement through the application of strategies and the influence a personal movement experience can have on hauora.
- Explore the influences of movement in Aotearoa New Zealand or the Pacific.

### ↕ Pathways

Level 2 Physical Education

### ☑ Prerequisites

Nil





This course empowers ākonga to use scientific ideas to develop and express their opinions, make decisions and take action.

## ■ Course Components

- Develop a greater understanding of the nature of science.
- Build knowledge of scientific ideas through a range of contexts including food security, water, air, life and their physical health.
- Select, plan, and carry out a range of appropriate investigations.
- Analyse information in its various forms and know how to check the sources of information.
- Discover how to distinguish science from fake information and scientific evidence.

## ↔ Pathways

Level 2 Biology, Chemistry, Earth Space Science, Physics.

## ☑ Prerequisites

Nil





To provide learning opportunities responsive to individual needs and aspirations designed to grow the whole person and prepare for their unique futures.

## Course Components

- Develop the information, skills and guidance needed for a successful transition from school to the workforce and/or tertiary education.
- Plan for the future by understanding issues around self-management, finances, interpersonal skills, work & study skills, and mental health.

## Pathways

Depending on student pathway - work ready or ready for specific tertiary pathway.



COMMUNICATION



## Prerequisites

Nil



SOFT SKILLS

TRUSTWORTHINESS

EMPATHY





This course continues to develop students' understanding of primary industry and introduces scientific and technological principles that impact production.

## ■ ■ Course Components

- Carry out an extended practical agricultural investigation.
- Develop an understanding of livestock reproductive techniques, for example embryo transfer.
- Build an understanding of how commercial management practices influence livestock growth and development.
- Study land use for primary production in New Zealand.

## ↕ Pathways

Level 3 Agricultural Science, Agribusiness and Technology, Environmental Sciences, Careers in the Primary sector.

## ✓ Prerequisites

L1 Agricultural Science



This course is a two year programme where students will complete a standalone qualification in Primary Industry Skills.

## ■ ■ Course Components

- Demonstrate knowledge of livestock behaviour and welfare in a primary industry.
- Check and report on livestock.
- Describe hydration, nutrition and sleep in relation to physical well-being of primary industry workers.
- Assist with handling and treatment of livestock.
- Describe weather, climate and microclimate characteristics and interpret weather maps for a primary industry operation.

## ↕ Pathways

Tertiary study at Level 3 Primary Industries, NZ Cert in Ag Level 3, NZ Apprenticeship in Ag Level 3/4, Breeding Livestock Farming.

## ☑ Prerequisites

Nil

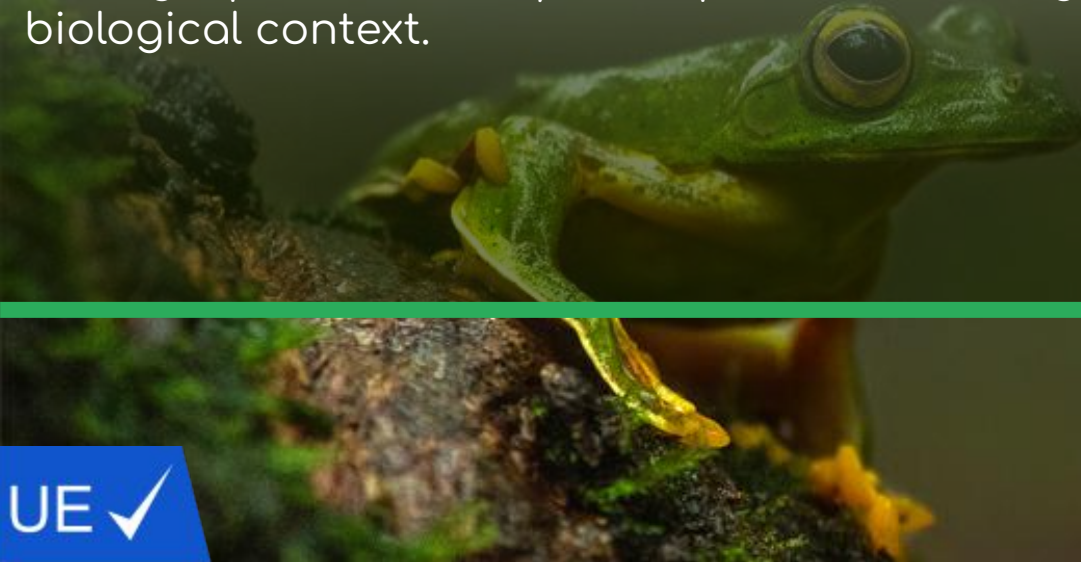




This course connects us to the world we live in, building awareness of our ecosystems and provides opportunities to learn about the processes of living things.

## ■ ■ Course Components

- Explore ecological patterns in a local environment.
- Discover life processes on a cellular level.
- Investigate biological material at a microscopic level.
- Analyse how the interaction between ecological factors and natural selection leads to genetic changes within populations.
- Design, plan and carry out a practical investigation in a biological context.



## ↕ Pathways

Level 3 Biology, Tertiary Study.

## ☑ Prerequisites

Basic understanding of Level 1 Biology



This course focuses on students investigating and describing the properties and uses of substances and the ways they interact with people and the environment.

## ■ ■ Course Components

- Discover how chemistry is used in the development of a current technology.
- Build an understanding of bonding, structure, properties and energy changes.
- Explore the properties of selected organic compounds.
- Carry out practical investigations into: a substance present in a consumer product and chemical species present in a sample using qualitative analysis.

## ↕ Pathways

Level 3 Chemistry, Tertiary Study.

## ☑ Prerequisites

Basic understanding of L1 Chemistry



This course gives students an introduction to Classical Studies with a focus on the literature of Ancient Greece, ancient battles and the world of ancient Rome.

## ■ ■ Course Components

- Examine ideas and values of the classical world, the significance of features of work(s) of art and the influence of aspects of the classical world has had on other cultures.
- Study a significant event in the classical world.
- Demonstrate an understanding of socio-political life in the classical world.

## ↕ Pathways

Level 3 Classical Studies, Level 3 History, Level 3 Geography.

## ✓ Prerequisites

14 credits in L1 History or Geography or by TiC approval.



This course aims to provide students with a choice of tools and skills necessary to use advanced features of software competently.

## ■ ■ Course Components

- Conduct an inquiry to propose a digital technologies outcome.
- Study advanced techniques to develop a digital media outcome.
- Discover advanced programming techniques to develop a computer program.
- Develop knowledge in advanced processes to develop a digital technologies outcome.

## ↕ Pathways

Level 3 Digital Technologies, Level 3 Computing (US).

## ✓ Prerequisites

14 credits at Level 1 or by HOD approval



This course explores literature as a reflection of its context, allowing for a deeper understanding of how texts can shape, reflect and critique our society.

## ■ ■ Course Components

- Appreciate how directors and authors create meaning and position us to understand characters, themes and ideas.
- Develop an understanding of how to craft written, visual and oral language to target a selected audience and communicate ideas.
- Analyse and compare novels, plays, films and articles.

## ↕ Pathways

Level 3 English, Tertiary Study.

## ✓ Prerequisites

14 Level 1 English credits or by HOD approval.



The course aims to develop fluency in listening, speaking, reading, and writing in English for speakers of other languages. Attention will be given to developing the skills needed for university level study.

## ■ ■ Course Components

- Understanding spoken texts in academic and social contexts.
- Understanding written texts (articles, reports, narratives, etc.)
- Writing connected texts for a range of purposes and audiences.
- Participating in spoken interactions and giving spoken presentations.
- Building academic and everyday vocabulary.

## ↕ Pathways

Level 3 ESOL, Level 2/3 English.

## ☑ Prerequisites





This course will study: how earthquakes, volcanoes and tsunamis occur, extreme environments, the formation of the solar system and the life cycle of stars.

## ■ ■ Course Components

- Investigate how organisms survive in an extreme environment.
- Demonstrate understanding of the causes of extreme Earth events in New Zealand.
- Demonstrate understanding of stars and planetary systems.
- Carry out a practical Earth and Space Science Investigation.

## ↕ Pathways

Level 3 ESS

## ☑ Prerequisites

Nil, but need good reading and writing skills.



This course provides students with practical skills to adapt to the commercial kitchen or home lifestyle. Choose your own study programme.

## ■ ■ Course Components

- This course focuses on the application of technological processes to develop food products, focusing on nutritional knowledge, food science, and practical skills.
- Food testing and evaluation techniques are also explored throughout the course which will enable students to apply their sensory perceptions to designing their own culinary products.
- Participate in short courses offered by Ara Institute of Canterbury, Timaru.

## ↕ Pathways

Level 3 FTE

## ☑ Prerequisites

Level 1 FTE or by HOD approval



This course examines the nature of the relationship between people and their environments with a focus on problem solving.

## ■ ■ Course Components

- Demonstrate geographic understanding of a large natural environment.
- Demonstrate geographic understanding of an urban pattern.
- Apply concepts and geographic skills to demonstrate understanding of a given environment.
- Conduct geographic research with guidance.
- Explain aspects of a contemporary geographic issue.

## ↕ Pathways

Level 3 Geography

## ☑ Prerequisites

Level 1 Geography or History



This course encourages students to explore New Zealand's history, as well as the wider world, and develops students' ability to critique historical sources.

## ■ ■ Course Components

- Carry out a planned inquiry of an historical event, or place, of significance to New Zealanders.
- Examine an historical event, or place, of significance to New Zealanders.
- Examine sources of an historical event of significance to New Zealanders.
- Interpret different perspectives of people in an historical event of significance to New Zealanders.
- Examine causes and consequences of a significant historical event.

## ↕ Pathways

Level 3 History

## ☑ Prerequisites

14 Level One History credits or by HOD approval.



This course focuses on the further development of the knowledge and practical skills required in the building trades.

### ■ ■ Course Components

- Use practical skills and knowledge to create wood based products.
- Build on the trades related knowledge developed in Level 1 to gain Unit Standards credits at Level 2.
- Develop the work related skills needed to be successful in the building and construction trades.

### ↕ Pathways

Trade related employment and/or Polytech trades courses.

### ☑ Prerequisites

Level 1 HMT





This course develops students' knowledge of mathematics and applies this to problem solving.

## ■ ■ Course Components

- Use formulae in trigonometry and coordinate geometry.
- Develop problem solving with algebra skills.
- Apply knowledge of graphing to begin calculus.
- Learn about some graphing theory in network methods.

## ↕ Pathways

Level 3 Mathematics

## ✓ Prerequisites

You should have achieved Numeracy as well as the Maths standard 91945.



This course allows students to extend their skills while composing, performing, researching and using music technology.

## ■ ■ Course Components

- Perform two substantial pieces of music as a featured soloist, and as a member of a group.
- Compose music and present in written and recorded form.
- Build a knowledge of music conventions in a range of forms.
- Apply knowledge of music notation, MIDI and recording applications.
- Investigate aspects of New Zealand music.

## ↕ Pathways

Level 3 Music, Various Performing Arts courses at Tertiary Level.

## ☑ Prerequisites

Students will need to learn an instrument through the Itinerant Scheme or privately.



This course develops students' knowledge and understanding of practical skills, safe practices and sustainability, in a variety of outdoor contexts.

## ■ ■ Course Components

- Prepare and participate in various overnight adventure.
- Participate in setting up and undertaking basic maintenance of a mountain bike.
- Develop a plan to complete a cycle tour.
- Develop understanding of weather interpretation and survival skills for outdoor activities.
- Explore rock climbing skills in an applied setting.

## ↔ Pathways

ARA Sustainability and Outdoor Education.

## ☑ Prerequisites

Nil





This course further develops the creative skills learned in Level 1 Art focussing on using paint as a creative medium.

## ■ ■ Course Components

- Demonstrate an understanding of methods and ideas from established practice.
- Research historical and contemporary artists and influences.
- Develop, clarify and extend ideas to produce a sustained body of art work.
- Apply knowledge of specific conventions appropriate to painting.

## ↕ Pathways

Level 3 Painting

## ☑ Prerequisites

Level 1 Art



This course will give students a knowledge, understanding and appreciation of the human body as it relates to movement and performance.

## ■ ■ Course Components

- Analyse how and why biophysical principles relate to the learning of physical skills.
- Apply biophysical principles to training for physical activity.
- Perform a physical activity in an applied setting.
- Demonstrate social responsibility through applying a social responsibility model in physical activity.
- Examine the implementation and outcome(s) of a physical activity event or opportunity.

## ↕ Pathways

Level 3 Physical Education,  
Polytechnic and University study.

## ☑ Prerequisites

14 credits at Level 1 Physical Education or by HOD approval.



This course further develops the creative skills learned in Level 1 Art focussing on using photography as a creative medium.

## ■ ■ Course Components

- Demonstrate an understanding of methods and ideas from established practice.
- Research historical and contemporary artists and influences.
- Develop, clarify and extend ideas to produce a sustained body of art work.
- Apply knowledge of specific conventions appropriate to photography.

## ↕ Pathways

Level 3 Photography

## ☑ Prerequisites

Level 1 Art



This course will look at waves, mechanics and nuclear physics, and how they fit into the everyday world.

## ■ ■ Course Components

- Build understanding of waves, mechanics and atomic and nuclear physics.
- Demonstrate understanding of Physics to selected context.
- Carry out a practical physics investigation that leads to a non-linear relationship.

## ↕ Pathways

Level 3 Physics

## ☑ Prerequisites

Ideally Level 1 Mechanics paper but also Level 1 Mathematics (Algebra).



This course will help students to develop statistics skills that are used in the sciences, social sciences and in today's data driven world.

## ■ ■ Course Components

- Collect data by designing good questionnaires and conducting experiments.
- Analyse data collected by others using the statistical enquiry cycle.
- Critically read statistical reports.
- Investigate probability theory and simulate events to calculate probabilities.

## ↕ Pathways

Level 3 Statistics

## ☑ Prerequisites

You should have achieved Literacy and Numeracy as well as the Stats standard 91944.



To provide learning opportunities responsive to individual needs and aspirations designed to grow the whole person and prepare for their unique futures.

## ■ ■ Course Components

- Develop the information, skills and guidance needed for a successful transition from school to the workforce and/or tertiary education.
- Plan for the future by understanding issues around self-management, finances, interpersonal skills, work & study skills, and mental health.

## ↕ Pathways

Depending on student pathway - work ready or ready for specific tertiary pathway.

## ☑ Prerequisites

Nil



This course looks at various aspects of the tourism industry.

## ■ ■ Course Components

- Expanding knowledge of the business of tourism; the work roles, tourist characteristics and their needs.
- Exploring world tourist destinations.
- Building an understanding of New Zealand as a destination.

## ↕ Pathways

Level 3 Tourism.

## ✓ Prerequisites

Minimum of 12 credits in Level 1 English or other Social Science subjects and with approval by HOD and TIC.





This course can be offered to students needing more time to complete their Certificate in Primary Industry Skills.

## ■ ■ Course Components

The third year of this practical course is available to students who need a little extra time to complete their Certificate in Primary Industry Skills. It may be an opportunity to extend their knowledge and practical opportunities in Agriculture.

## ↕ Pathways

Tertiary study Level 3 Primary Industries, NZ Cert in Ag Level 3, NZ Apprenticeship in Ag Level 3/ L4 Breeding Livestock Farming.

## ✓ Prerequisites

One previous year in the Certificate in Primary Industry Skills.





This course continues to develop students knowledge of primary industry in New Zealand and applies economic considerations to the profitability of production.

## ■ ■ Course Components

- Research and report on the impact of factors on the profitability of NZ primary products.
- Carry out an investigation into an aspect of a NZ primary product or its production.
- Demonstrate understanding of how market forces affect supply and demand of NZ primary products.
- Develop an understanding of how the production process meets market requirements for NZ primary products.
- Analyse a NZ primary production environmental issue.

## ↕ Pathways

University study in Agriculture, Agribusiness and Technology, Environmental Sciences, Careers in the Primary sector.

## ☑ Prerequisites

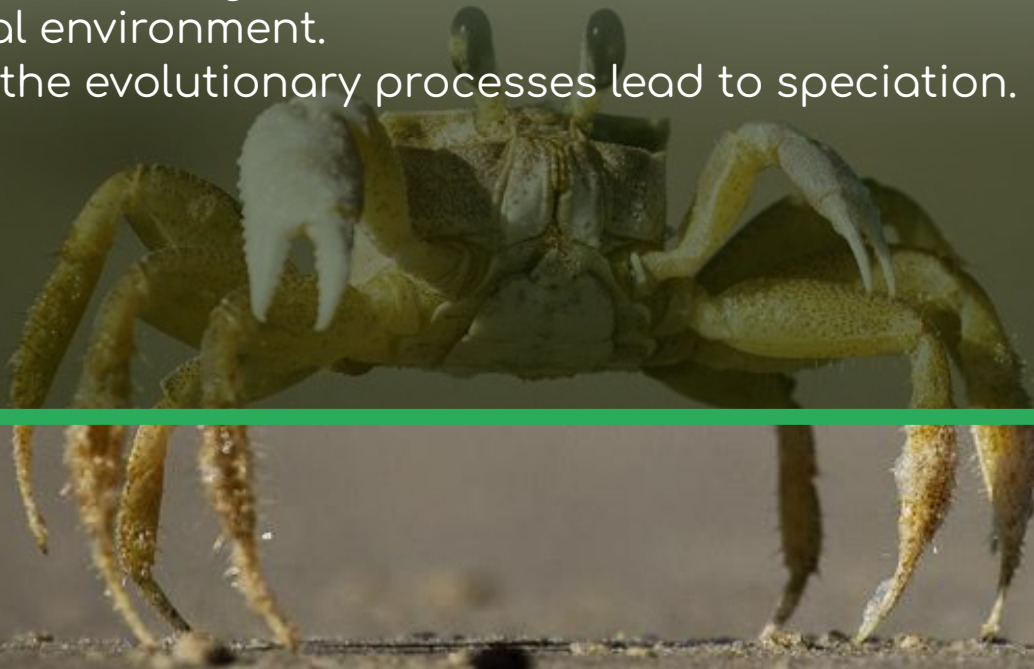
Level 2 Agricultural Science



This course builds on connections made in Level 2 Biology, with a focus on plants and animals and evolution.

## ■ ■ Course Components

- Demonstrate an understanding of the responses of plants and animals to their external environment.
- Design, plan and carry out an independent practical investigation in a biological context.
- Build an understanding of how an animal maintains a stable internal environment.
- Explore how the evolutionary processes lead to speciation.



## ↕ Pathways

Botany and Zoology,  
Medical laboratory science,  
Forestry and Agriculture,  
Physiotherapy and Medicine  
Veterinarian Science.

## ✓ Prerequisites

Level 2 Biology



This course focuses on students demonstrating and explaining the properties and uses of substances using a range of chemical vocabulary linked to Level 3 Chemistry.

## ■ ■ Course Components

- Build an understanding of spectroscopic data in chemistry, the thermochemical principles and properties of particles and substances and the properties of organic compounds.
- Explore the oxidation-reduction processes.
- Carry out an investigation in chemistry involving quantitative analysis.

## ↕ Pathways

Research, Medicine, Dentistry, Food and Nutrition, Agriculture, Viticulture, Biosecurity, Forestry, Forensic Pathology.

## ✓ Prerequisites

Level 2 Chemistry



This course looks to deepen students' knowledge of the Classical world with a look at the Aeneid and parallels between the ancient and modern worlds.

## ■ ■ Course Components

- Analyse ideas and values of the classical world and the significance of a work(s) of art.
- Explore the impact of a significant historical figure on the classical world.
- Demonstrate understanding of significant ideology(ies) in the classical world and the lasting influences of the classical world on other cultures across time.

## ↕ Pathways

University study including: English, Media & Communication, Humanities Law.

## ☑ Prerequisites

14 credits in Level 2 History or Geography, or by TiC approval.



This course aims to provide students with a choice of tools and skills necessary to make an informed decision on a range of software using complex features.

## Course Components

- Conduct an inquiry to propose a digital technologies outcome.
- Study and use complex techniques to develop a digital media outcome.
- Discover complex programming techniques to develop a computer program.
- Expand knowledge in complex processes to develop a digital technologies outcome.

## Pathways

University study in: Computer Science, Digital Design, Animation, Web Design, Computer Analysis.

## Prerequisites

14 credits at Level 2 or by HOD approval.



This course examines our role as critical readers and how texts can have a diverse range of interpretations depending on the lens through which we view them.

## ■ ■ Course Components

- Explore literary criticism (for example, Feminist and Marxist criticism).
- Develop academic writing skills.
- Create a speech/seminar OR a visual presentation which illustrates a critical appreciation of the studied texts.
- Discover how a text's creator critiques the world of the text/ their own world and positions us to critique our own values and ideas.

## ↕ Pathways

University study including: English, Media & Communication, Humanities Law.

## ✓ Prerequisites

14 Level 2 English credits or by HOD approval.



This course is for students learning English at an advanced level. Students will build their skills in reading, writing, listening, and speaking through academic and real-world topics.

## ■ ■ Course Components

- Understanding and analysing extended written texts
- Understanding extended spoken texts in various contexts
- Writing a variety of extended texts for a range of purposes.
- Analysing visual/multimodal texts such as films, documentaries, or infographics.
- Develop the skills needed to gain NCEA Level 3 English Language unit standards.

## ↕ Pathways

Tertiary study or entry into the workforce.

## ☑ Prerequisites

NIL





This course will look at the oceanic and atmospheric processes on our planet and how humans impact them. We will also investigate astronomical events.

### ■ ■ Course Components

- Explore the processes in the ocean system.
- Demonstrate understanding of the processes in the atmosphere system.
- Investigate an aspect of astronomy and a socio-scientific issue in an Earth and Space context.

### ↕ Pathways

University in a range of Sciences and Humanities, as well as a good basis for understanding current events.

### ☑ Prerequisites

Nil but need good reading and writing skills.



This course is designed to cater for students interested in the food industry through both theory and practical work. Choose your own study programme.

## ■ ■ Course Components

- Developing advanced skills in food processing, product development, and evaluation.
- Demonstrate an in-depth understanding and application of the skills used within the creative realm of the Food Technology/Culinary Arts Pathways.
- Participate in short courses offered by Ara Institute of Canterbury, Timaru.

## ↕ Pathways

Tertiary study at University or Polytechnic including: Hospitality, Events Management, Media and Publishing, Health and Nutrition.

## ✓ Prerequisites

Level 2 FTE



This course investigates how processes operate and affect the way we live and how to apply Geographic skills to investigate the way environments interact.

## ■ ■ Course Components

- Demonstrate understanding of how a cultural process shapes geographic environment(s).
- Conduct geographic research with consultation.
- Analyse aspects of a contemporary geographic issue.
- Demonstrate understanding of a given environment(s) through selection and application of geographic concepts and skills.

## ↕ Pathways

Tertiary study including Geography, Geology, Surveying.

## ☑ Prerequisites

Level 2 Geography or History



This course enables students to examine different historical perspectives, make judgements on the validity of arguments and undertake historical research.

## ■ ■ Course Components

- Research on historical event or place of significance to New Zealanders, using primary and secondary sources.
- Research on historical event, or place, of significance to New Zealanders and analyse the evidence used.
- Explore different perspectives of a contested event of significance to New Zealanders.
- Analyse the causes and consequences of a significant historical event.

## ↕ Pathways

University study including: English, Media & Communication, Humanities Law.

## ☑ Prerequisites

14 Level 2 History credits or by HOD approval



This course focuses on students working independently on a single major practical project using the skills and knowledge gained from the previous two years.

## ■ ■ Course Components

- Apply the prior knowledge and skills gained in the previous years to plan, coordinate, design and construct an individual product with the complexity and skill.
- This project will take the majority of the school year with all other aspects of the course and unit standards needing to relate to its construction.

## ↕ Pathways

Trade related employment and or Polytech trades courses.

## ✓ Prerequisites

Level 1 HMT, Level 2 HMT





This course extends students' understanding of calculus, algebra and geometry.

## ■ ■ Course Components

- Extend understanding and skills of both differentiation and integration.
- Apply trigonometry to situations beyond triangles.
- Learn about graphing conic sections as implicit functions.
- Develop the use of technology in solving linear problems in 2 and 3 dimensions.

## ↕ Pathways

University study in mathematics or sciences.

## ☑ Prerequisites

10 credits of Level 2 Mathematics including Calculus or by negotiation.



This course furthers composition and performance skills, further develops either music technology and music theory skills depending on student interest.

## ■ ■ Course Components

- Perform two programmes of music as a featured soloist, and a programme of music on a second instrument.
- Demonstrate ensemble skills performing two substantial pieces as a member of a group.
- Compose three original songs or three original pieces of music.
- Build an understanding of harmonic and tonal conventions.
- Research a music topic.
- Demonstrates understanding of music technology applications.

## ↕ Pathways

Tertiary music or performing arts courses, Career in music/TV/film industry, musician, composer, music therapist, musicologist.

## ✓ Prerequisites

Students will need to learn an instrument through the itinerant scheme or privately.



This course extends on your prior learning in painting and develops your creative skills and ideas with paint in response to a variety of influences.

## Course Components

- Analyse methods and ideas from established practice.
- Demonstrate an in depth understanding on conventions appropriate to painting.
- Systematically develop a body of related art works.

## Pathways

University study including Fine Arts, Art History, animation, fashion, design.

## Prerequisites

Level 2 Painting



This course encourages students to apply, analyse and evaluate biophysical principles and their effectiveness in progressing skill execution and performance.

## ■ ■ Course Components

- Devise strategies for lifelong well-being by evaluating physical activity experiences.
- Analyse a physical skill performed by self or others.
- Evaluate the effectiveness of a performance improvement programme.
- Demonstrate quality performance of a physical activity in an applied setting.
- Develop strategies for a physical activity outcome.

## ↕ Pathways

Tertiary study including Sport Science, Sport Coaching, Physiotherapy, Sport Leadership, Sport Psychology, Teaching.

## ✓ Prerequisites

14 credits at Level 2 Physical Education or by HOD approval.



This course extends on your prior learning in photography and develops your creative skills and ideas with photography in response to a variety of influences.

## ■ ■ Course Components

- Analyse methods and ideas from established practice.
- Demonstrate an in depth understanding on conventions appropriate to photography.
- Systematically develop a body of related art works.

## ↕ Pathways

University study including: Fine Arts, Art History, Film and Television production, Photography, Fashion, Design

## ☑ Prerequisites

Level 2 Photography



This course builds on the knowledge gained in Level 2 to gain a deeper understanding of Physics in the everyday world.

## ■ ■ Course Components

- Build an understanding of waves and mechanical systems.
- Develop an informed response to a socio-scientific issue using physics knowledge.
- Studying modern physics and applying this knowledge to a selected context.

## ↕ Pathways

Engineering and a range of other science-based careers.

## ☑ Prerequisites

Level 2 Physics (At least 10 credits) and Level 2 Mathematics.



This course will help students to further develop their skills in statistics.

## Course Components

- Use the statistics enquiry cycle to analyse time series and bivariate data.
- Analyse statistical reports and comment on their validity.
- Extend understanding of probability concepts and distributions.

## Pathways

Tertiary study including areas such as Psychology, Economics and Health Sciences.

## Prerequisites

12 credits in Level 2 Statistics, or by negotiation.

# 3MAX





To provide learning opportunities responsive to individual needs and aspirations designed to grow the whole person and prepare for their unique futures.

## ■ ■ Course Components

- Develop the information, skills and guidance needed for a successful transition from school to the workforce and/or tertiary education.
- Plan for the future by understanding issues around self-management, finances, interpersonal skills, work & study skills, and mental health.

## ↕ Pathways

Depending on student pathway - work ready or ready for specific tertiary pathway.

## Prerequisites

Nil





This course provides students with the skills and knowledge to pursue a career in the Travel and Tourism industries and any of the ITO schools in New Zealand.

## ■ ■ Course Components

- Discover facts and features about the Pacific Island countries as tourist destinations.
- Researching, describing and promoting a New Zealand tourist destination.
- Discover facts and features about Australia as a tourist destination.

## ↕ Pathways

This is ideal for students wishing to continue on in the Travel and Tourism industry. This includes Hospitality.

## ✓ Prerequisites

It would be advantageous to have completed Level 2 Tourism, or have good Literacy skills.

