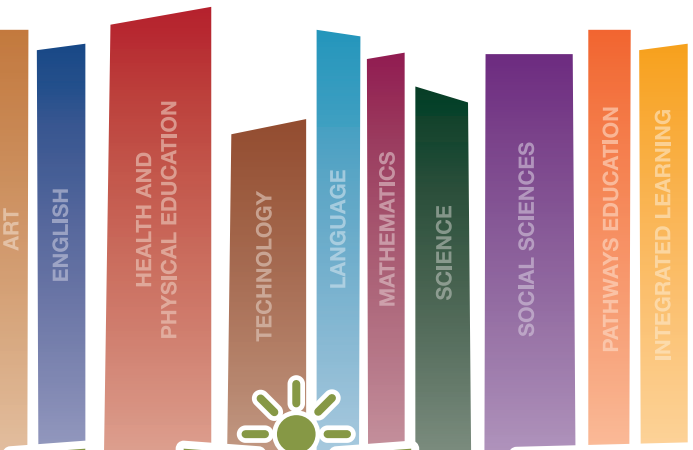


# CHOICE 2011

COURSE SELECTION GUIDE - AKORANGA WHIRINGA KAUPAPA

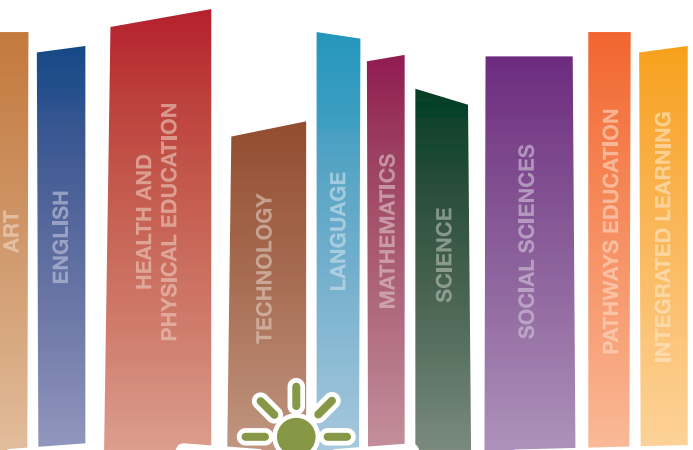


# CHOICE 2011

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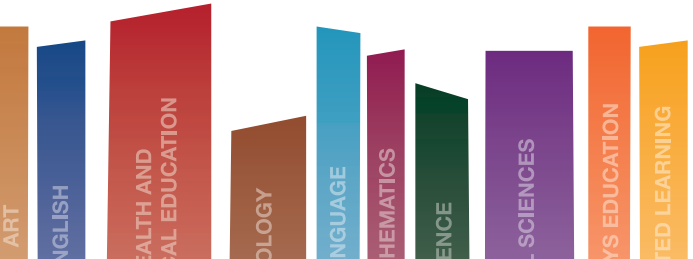


# CHOICE 2011

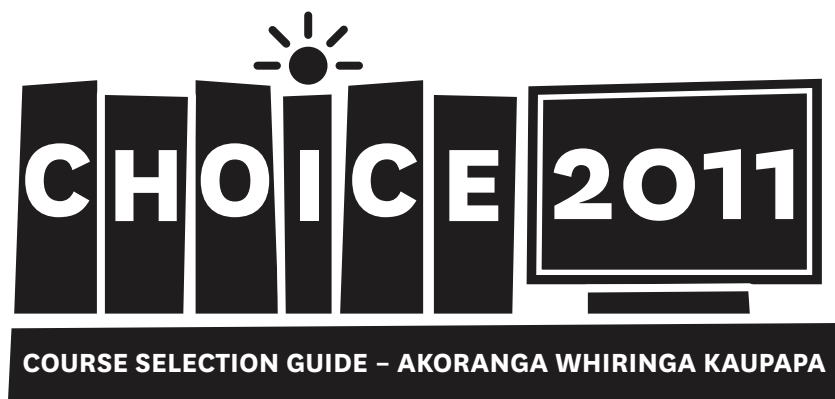
COURSE SELECTION GUIDE - AKORANGA WHIRINGA KAUPAPA

# CHOICE 2011

COURSE SELECTION GUIDE - AKORANGA WHIRINGA KAUPAPA



# CHOICE 2011



## **Welcome to Te Aho o Te Kura Pounamu**

At the time of going to print the courses described in this guide are all available for enrolment in 2011.

We may be required to withdraw or restrict enrolment to courses at any time. If you enrol in a course that is subsequently withdrawn or restricted in terms of enrolment, we will contact you to discuss other study options.

Refer to our website for the latest information on available courses, eligibility and enrolment.

For more information, please contact us:

Website: [www.tekura.school.nz](http://www.tekura.school.nz)

Email: [info@tekura.school.nz](mailto:info@tekura.school.nz)

Freephone: 0800 65 99 88

We look forward to hearing from you.

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# Introduction

## Te Kupu Whakataki

This guide is designed to help students in Years 9 to 13 put together a programme of learning at Te Kura. If you are interested in our early childhood service or programmes for students in Years 1 to 8, please refer to our website.

### Learning with Te Kura

We have found that students learn best when they work at their own pace, building on their existing knowledge and skills and receiving regular feedback. Most subjects offer choices in the way you learn and some subjects are taught entirely online.

All the courses listed here are designed as one-year courses, but students may work faster or slower than this. Many courses offer a range of options and subject teachers guide students in their choices.

In a one year NCEA course, students should aim to achieve 18–20 credits, representing about 200 hours of student study time. However, students may choose to study for standards which offer more or fewer credits than this. It is important you take advice from your teacher, learning advisor and support staff so that you choose a balanced programme of learning which matches your aspirations and abilities.

Full-time students can discuss opportunities within the Authentic Learning Programme with their Learning Advisors.

### Selecting and planning your programme of learning

#### Student education plans

If you're a full-time student, you will work with your learning advisor to develop a personalised student education plan. Your plan will set out which subjects you'll study and when. The plan will align your subjects, personal and career goals to ensure you keep your options open for future study.

#### Full-time Year 9 and 10 students

What you study and the level you study at will depend on your learning needs, interests and your student education plan. Year 9 and 10 students are enrolled in Te Ara Hou, an integrated programme of learning where you'll cover a number of core subjects and can choose optional subjects.

#### Full-time Year 11 students

A full-time Year 11 programme is usually made up of English, mathematics, science and two or three other subjects. Your education plan will determine the number of subjects you study and will maintain your options for future study and/or career changes.

#### Full-time Year 12 students

If you are a Year 12 student studying full-time with us your programme should include English. Your education plan will determine your other subjects and will maintain your options for future study and/or career changes.

#### Full-time Year 13 students

If you are a Year 13 student studying full-time with us you will choose a suitable programme that will meet your current and future learning goals. Your education plan will determine your other subjects and will maintain your options for future study and/or career changes.

#### Fees

If you meet the Ministry of Education's criteria for enrolling with us, there are no school fees. For information on the Ministry's eligibility criteria for Te Kura visit the website at [www.minedu.govt.nz](http://www.minedu.govt.nz).

#### Dual students

Students enrolled in New Zealand schools may be eligible to register with us to study for courses not available at their own school.

Dual registrations must be made by the host school through our online enrolment system. Registrations are accepted through the year and open in November for the following school year.

Schools are expected to ensure their students are registered in the most appropriate course for them. Some courses require prior study in the subject. To find out more, visit our website at [www.tekura.school.nz](http://www.tekura.school.nz) or contact us on 0800 65 99 88.

### **Young Adults**

Students who have left school and are aged between 16 and 19 (and not turning 20), in the study year for which they are enrolling, can enrol with Te Kura free of charge. Check our website for more details on eligibility.

### **Adult Students**

We have a range of subjects available for enrolment by adult students. Most are at qualifications level, where students can earn credits towards a National Certificate in Educational Achievement.

Students aged 20 or over, in the study year for which they are enrolling, currently pay a fee of \$102 per course, but this fee may change over the year.

### **Fee-paying students**

Students who do not meet Ministry of Education eligibility criteria for a funded place may be able to enrol with Te Kura on a fee-paying basis. Fees are on a per-course basis. To find out more, visit our website at [www.tekura.school.nz](http://www.tekura.school.nz) or contact us on 0800 65 99 88.

## **NCEA and course endorsement**

Students taking 100, 200 and 300 level courses are able to be assessed for Standards that will contribute to National Certificate in Educational Achievement (NCEA) qualifications and other National Certificates.

Detailed information about these qualifications can be found in our Student Guide to National Certificates on our website at [www.tekura.school.nz/student-toolkit/earning-qualifications](http://www.tekura.school.nz/student-toolkit/earning-qualifications) or the New Zealand Qualifications authority (NZQA) website at [www.nzqa.govt.nz](http://www.nzqa.govt.nz).

To gain NCEA Level 1, you must have 80 credits. These credits can be made up of unit standards and achievement standards at any level, including a literacy and numeracy requirement. For more information go to [www.nzqa.govt.nz/ncea/for-students/requirements.html](http://www.nzqa.govt.nz/ncea/for-students/requirements.html). Standards that count towards literacy and numeracy requirements are identified in the course descriptions in this book.

Students will gain course endorsement if in a single year they gain 14 or more credits at Merit and/or Excellence including at least 3 credits from externally assessed standards and 3 credits from internally assessed standards in that course. Some courses offer only externally assessed or internally assessed standards, and are therefore not eligible for endorsement.

### **NZQA fees**

In addition to Te Kura fees or donations, students undertaking courses that offer Standards' assessments towards National Certificate qualifications will have to pay a fee. The basic fee is \$75 although students may be eligible for financial assistance that will reduce the fee to \$20. Payments made after August each year are not eligible for financial assistance and may incur an additional NZQA late fee of \$50.

### **Help with planning a programme of learning**

This book is organised by subject and level of study offered in each subject. These may be curriculum levels or qualification levels. The diagram below should help you understand where these levels are.

# Subjects at a glance

## Summary of subjects and levels of study

Detailed information follows in this guide. Refer to [www.tekura.school.nz/subjects-and-courses/what-you-can-study](http://www.tekura.school.nz/subjects-and-courses/what-you-can-study) for the most up-to-date information.

Subject	Up to Curriculum Level 5	NCEA Level 1	NCEA Level 2	NCEA Level 3
<b>Accounting</b>		Accounting	Accounting	Accounting
<b>Agriculture</b>	Agriculture	Agriculture	Agriculture	Agriculture and horticulture
<b>Art (visual)</b>	Visual arts	Visual arts	Painting	Painting
				Design
				Sculpture
				Printmaking
			Art history	Art history
<b>Biology</b>		Biology	Biology	Biology
<b>Business studies</b>	Business studies	Business studies	Business studies	
<b>Chemistry</b>		Chemistry	Chemistry	Chemistry
<b>Chinese (Mandarin)</b>	Chinese beginners*	Chinese	Chinese	Chinese
<b>Classical studies</b>			Classical studies	Classical studies
<b>Commerce studies</b>		Commerce studies		
<b>Digital technology</b>		Digital technology	Digital technology	Digital technology
		Information management		
<b>English</b>	English	English	English	English
		Practical English	Practical English	
<b>Fashion</b>			Fashion design	
<b>French</b>	French beginners*	French	French	French
<b>Gateway</b>		Gateway	Gateway	Gateway
<b>Geography</b>		Geography	Geography	Geography
<b>German</b>	German beginners*	German	German	German
<b>Graphics and design</b>	Graphics and design	Graphics	Graphics	Graphics
<b>Health and physical education</b>	Health and physical education	Health and physical education		
		Pregnancy and childcare	Pregnancy and childcare	
<b>Health science</b>		Health science		

### Restricted enrolment

Subjects marked with \* are available for full-time, fee-paying, secondary dual and young adult students.

Subjects marked with \*\* are available for school age students only.

<b>Subject</b>	<b>Up to Curriculum Level 5</b>	<b>NCEA Level 1</b>	<b>NCEA Level 2</b>	<b>NCEA Level 3</b>
<b>History</b>		History	History	History
<b>Home economics</b>	Home economics	Food and nutrition	Home and life sciences	
<b>Horticulture</b>	Horticulture	Horticulture	Horticulture	Agriculture and horticulture
<b>Japanese</b>	Japanese beginners*	Japanese	Japanese	Japanese
<b>Latin</b>	Latin beginners*	Latin		
<b>Legal studies</b>		Legal studies	Legal studies	Legal studies
<b>Māori</b>	Beginners Te reo Māori	Te reo Māori	Te reo Māori	Te reo Māori
<b>Mathematics</b>	Mathematics	Mathematics	Mathematics	Mathematics with calculus
		General mathematics	Applied mathematics	Statistics and modelling
<b>Marine biology and environmental science</b>		Marine biology and environmental science		
<b>Media Studies</b>			Media studies	
<b>Music</b>	General music	Music	Music	Music
<b>Pathways education</b>		Pathways education	Pathways education	
<b>Physics</b>		Physics	Physics	Physics
<b>Science</b>	Science	Science		
		Everyday science		
<b>Social studies</b>	Social studies			
<b>Special Education Life skills</b>	Life skills			
<b>Spanish</b>	Spanish	Spanish	Spanish	Spanish
<b>Technology</b>	Technology**	Technology	Technology	Technology
<b>Restricted enrolment</b> Subjects marked with * are available for full-time, fee-paying, secondary dual and young adult students. Subjects marked with ** are available for school age students only.				

Year of schooling Y = Year

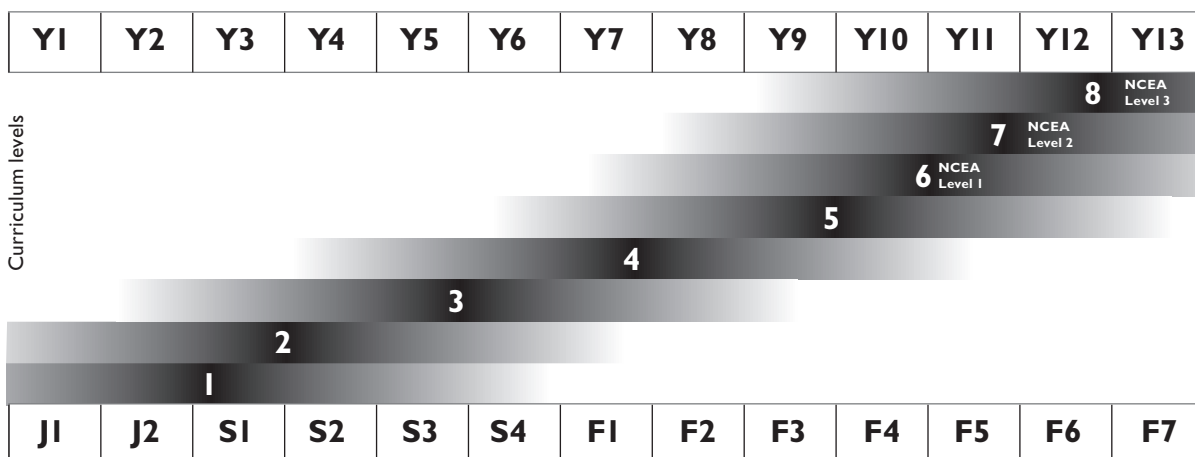
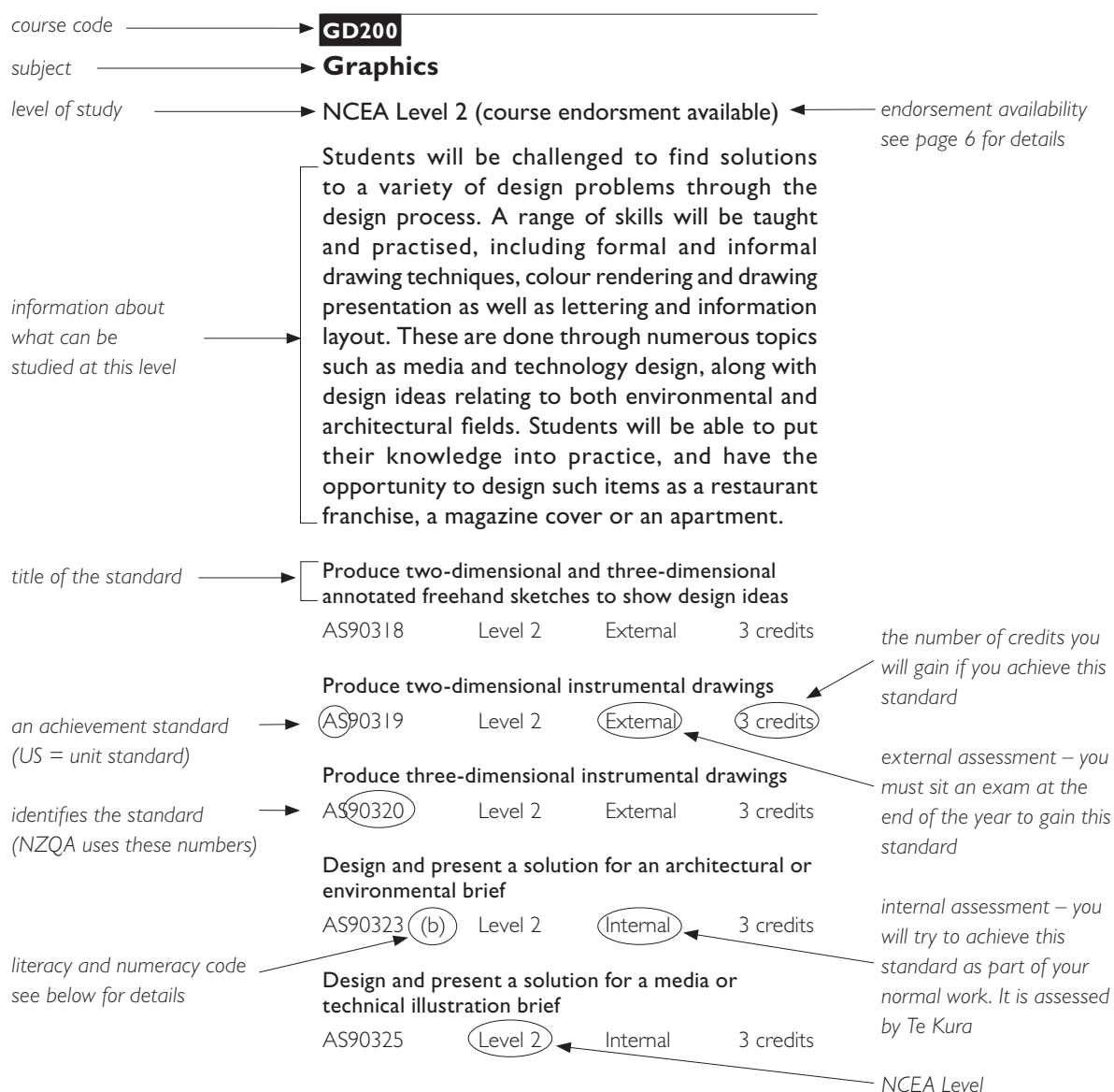


Diagram (adapted) Levels of Achievement by Years of Schooling from "Science in the NZ Curriculum", © Crown copyright, first published in the Curriculum Doc series by Learning Media for the Ministry of Education. Print and electronic access by permission.



## How to use this guide

The information in this guide is also available online. Refer to [www.tekura.school.nz/subjects-and-courses/what-you-can-study](http://www.tekura.school.nz/subjects-and-courses/what-you-can-study) for the most up-to-date information.



## NCEA Level I Literacy and Numeracy requirements

2011 is a transition year for Level I NCEA. Some students will be meeting the new literacy and numeracy requirements and some the existing requirements. For details of these requirements, please refer to the NZQA website [www.nzqa.govt.nz](http://www.nzqa.govt.nz) and search for literacy and numeracy. Standards that count towards these requirements are identified as below using examples:

AS00000	(a)	New Literacy Achievement Standard
AS00001	(b)	New Numeracy Achievement Standard
US00002	(c)	New Literacy Unit Standard
US00003	(d)	New Numeracy Unit Standard
US00004	(e)	Existing Literacy Standard
US00005	(f)	Existing Numeracy Standard

# Accounting

## Te Mātauranga Mahi Kaute

Accounting is fundamental not just for businesses but everyday life. Students learn skills ranging from processing financial transactions to reporting, analysing and interpreting financial statements for individuals, community organisations, and businesses. Further study can lead to diverse careers in accounting in many business environments worldwide. With a business or commerce degree, students can keep their options wide open.

### AC1000

#### Accounting

NCEA Level 1 (course endorsement available)

Accounting NCEA Level 1 gives a general introduction to Accounting. Students will gain knowledge, skills and experience to manage personal and community organisation financial systems. Students will process, report, analyse and interpret transactions for a sole trader.

Demonstrate understanding of accounting concepts for small entities

1.1 (a) Level 1 External 3 credits

Process financial transactions for a small entity

1.2 Level 1 Internal 5 credits

Prepare financial statements for sole proprietors

1.3 Level 1 External 5 credits

Prepare financial information for a community organisation's annual general meeting

1.4 (a) Level 1 Internal 4 credits

Interpret accounting information for sole proprietors

1.5 (a) Level 1 External 4 credits

Demonstrate understanding of cash management for a small entity

1.7 (a) Level 1 Internal 4 credits

### AC200

#### Accounting

NCEA Level 2 (course endorsement available)

This course has a strong focus on accounting for sole traders. Students will gain knowledge, skills and experience to manage business financial subsystems. Students will process and report on transactions and events for a sole trader, and analyse and interpret the information.

Describe the conceptual basis of accounting for a sole proprietor

AS90220 Level 2 External 3 credits

Demonstrate understanding of accounting processes for accounting subsystems

AS90223 Level 2 External 5 credits

Prepare financial statements and related accounting entries for sole proprietors

AS90224 Level 2 External 5 credits

Analyse and interpret information and make recommendation(s) for a sole proprietor

AS90225 Level 2 External 4 credits

Use computer software to process financial transactions for a sole proprietor

AS90226 Level 2 Internal 3 credits

Review the control and accounting procedures for an accounts receivable sub-system

US7367 Level 2 Internal 4 credits

Review the control and accounting procedures for an inventory sub-system

US7369 Level 2 Internal 4 credits

Explain and make balance sheet date adjustments and incorporate them into financial statements

US7372 Level 2 Internal 2 credits

**AC300****Accounting**

NCEA Level 3 and Scholarship  
(course endorsement available)

Knowledge gained in the previous levels of study is developed within the context of companies and partnerships. Students will gain knowledge, skills and experience in using management for effective decision making. Students will report, analyse and interpret information for partnerships, manufacturing businesses and companies. Accounting NCEA Level 3 and Scholarship prepares students for tertiary education.

Describe and apply the conceptual basis of  
accounting in context

AS90500      Level 3      External      4 credits

Process financial information for partnerships and  
companies

AS90501      Level 3      External      3 credits

Process financial information for a manufacturing job  
cost subsystem

AS90502      Level 3      External      3 credits

Prepare financial statements for partnerships and  
companies

AS90503      Level 3      External      6 credits

Explain and prepare information for management  
decision making

AS90505      Level 3      External      3 credits

Explain the conceptual basis of accounting for  
reporting entities

US7374      Level 3      Internal      4 credits

Prepare accounting records and financial statements  
for partnerships

US7375      Level 3      Internal      2 credits

Prepare accounting records for companies

US7376      Level 3      Internal      2 credits

Describe and prepare the financial statements for a  
company

US7377      Level 3      Internal      4 credits

Analyse and interpret company financial statements

US7378      Level 3      Internal      3 credits

Process financial information for a manufacturing  
enterprise

US7379      Level 3      Internal      3 credits

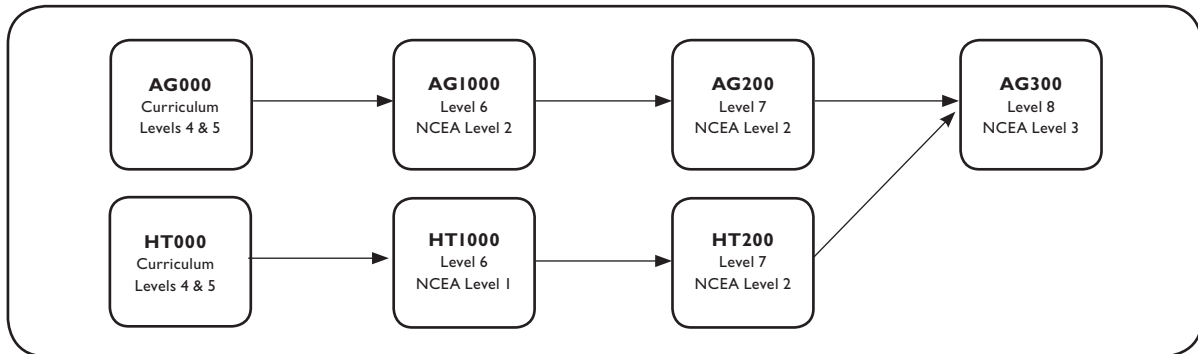
Recognise and examine management control  
concepts

US7380      Level 3      Internal      3 credits

# Agriculture

## Te Mātauranga Ahuwhenua

Agriculture forms the backbone for many New Zealand communities, and is the country's biggest export earner. If you are interested in farming, animals, crops or soils, then agriculture is the subject for you. Whether you are looking at farming as a career, or have a general interest in agricultural science, studying agriculture will give you a greater understanding of how farming works and its relationship to the land. These courses also link into biology and horticulture.



### AG000

#### Introduction to Agriculture

Curriculum Levels 4 & 5

This is a general introduction to farming and includes some practical work. This course can be taken over two years. Topics include: sheep, dairy, deer, and pig farming; working with young animals and rearing young stock; pastures and weed control. The course can be taken as a progression to the AGI000 Level 1 agriculture NCEA course.

Demonstrate knowledge of soil management practices.

1.3 (a) Level 1 External 4 credits

Demonstrate knowledge of the geographic distribution of primary production in New Zealand.

1.4 (a) Level 1 Internal 3 credits

Demonstrate knowledge of the impact of primary production management practices on the environment.

1.5 (a) Level 1 Internal 3 credits

Demonstrate knowledge of livestock management practices.

1.6 (a) Level 1 External 5 credits

Demonstrate knowledge of pasture/crop management practices.

1.7 (a) Level 1 Internal 4 credits

### AGI000

#### Agriculture

NCEA Level 1 (course endorsement available)

An academic introduction to agricultural science, this course covers not just the industry and farming production but environmental issues and animal diseases. The course starts by looking at the industry side of agriculture and then in detail at animals and their care, as well as crops and pasture production. In turn there is a focus on the environmental impact of such practice and along with practical work, students will develop the fundamental skills and knowledge needed to manage livestock, crops and pasture.

Carry out a practical agricultural or horticultural investigation.

1.1 (b) Level 1 Internal 4 credits

Demonstrate practical skills or knowledge in agricultural or horticultural production.

1.2 Level 1 Internal 4 credits

**AG200****Agriculture**

NCEA Level 2 (course endorsement available)

Both a practical and theoretical scientific course, which looks more closely at the science behind agriculture. Through it students study and apply the biology of livestock and pasture, and it provides an introduction to techniques required for soil, plant and pasture management, while considering the environmental factors that affect these. It asks how we can modify the environment, soil and water. How can we manipulate animals to maximise production, and how can we use their behaviour to our benefit?

**Agricultural and horticultural science: Carry out a practical agriculture or horticulture investigation with supervision**

AS90450      Level 2      Internal      4 credits

**Describe physical factors of the environment and techniques used to modify them for plant production**

AS90451      Level 2      External      4 credits

**Describe how techniques used to modify soil water content optimise primary production**

AS90452      Level 2      External      4 credits

**Describe modification of livestock reproduction or plant propagation to improve productivity**

AS90453      Level 2      External      4 credits

**Describe manipulations to influence growth and development, and productivity, in livestock or plants**

AS90454      Level 2      External      4 credits

**Describe how livestock behaviour impacts on productivity**

AS90455      Level 2      Internal      4 credits

**AG300****Agriculture and Horticulture**

NCEA Level 3 (course endorsement available)

Combined with horticulture, this course will appeal to anyone with an interest in how primary products are marketed and manipulated to maximise profits. Based on the production process, students are given an insight into New Zealand's agricultural exports, with a particular focus on lamb, potatoes and tomatoes. There are two research projects on a local primary product of your choice, and the course links well with biology, geography and economics.

**Research the production of a marketable, locally produced primary product**

AS90649      Level 3      Internal      6 credits

**Investigate production and marketing of a nationally significant primary product**

AS90650      Level 3      Internal      4 credits

**Explain how market forces affect supply and demand of primary products**

AS90651      Level 3      External      4 credits

**Explain market requirements and the production process for a nationally significant primary product**

AS90652      Level 3      External      6 credits

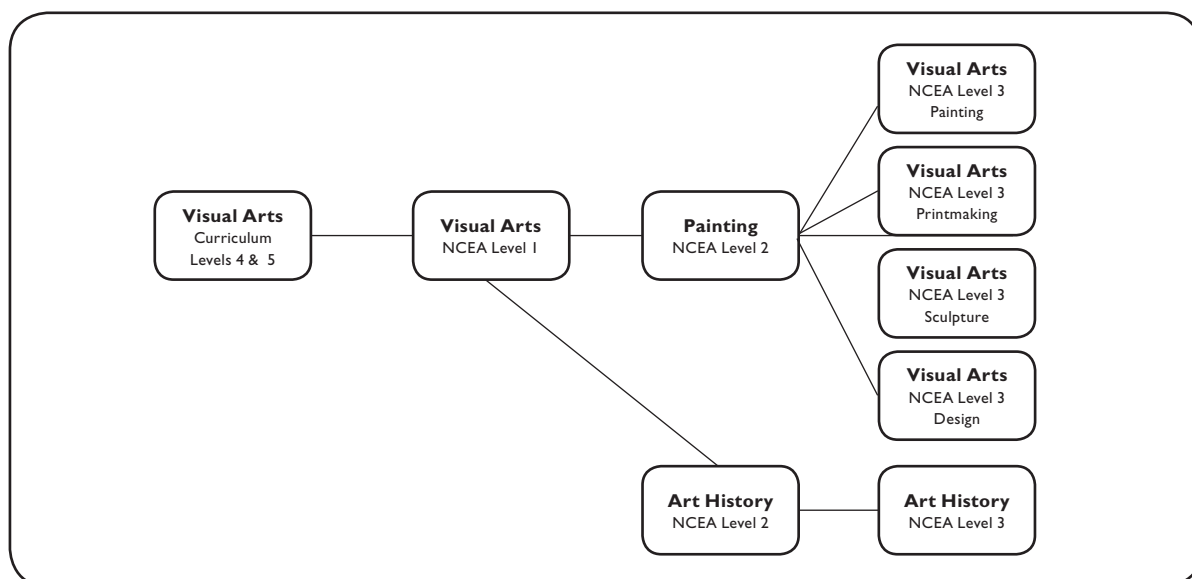
**Analyse a primary production environmental issue**

AS90653      Level 3      External      4 credits

# Art

## Te Mātauranga Toi

Visual arts is a creative subject that will provide you with an opportunity to develop your art knowledge and skills. You will create artworks while learning about the work of various artists and the cultural and social contexts that their artworks reflect. You can study visual arts to gain qualifications or just for general interest.



### AR000

#### Visual Arts – Years 9 and 10

Curriculum Levels 4 and 5

An introduction to drawing, painting, sculpture and design using a variety of techniques and media. An awareness of the process of developing artistic ideas from start to finish is introduced, and you can plan an appropriate programme to meet your needs and interests in art. It includes drawing, painting, mixed media, design and sculpture. Year 10 students can further develop skills and knowledge appropriate for NCEA qualifications at Year 11.

Demonstrate understanding of artworks from cultural contexts using art terminology.

1.1 (a) Level 1 Internal 4 credits

Use drawing methods for recording information using wet and dry media.

1.2 Level 1 Internal 4 credits

Use drawing conventions to develop work in more than one field of practice.

1.3 Level 1 Internal 6 credits

Produce a body of work informed by established practice, which develops ideas using media.

1.4 Level 1 External 12 credits

### AR1000

#### Visual Arts

NCEA Level 1 (course endorsement available)

This is the first of the senior art courses for students who want qualifications in visual arts. It covers drawing, painting and printmaking. It includes: drawing using wet and dry media, lino printing, researching New Zealand artists from Māori and European traditions and developing a body of work using a chosen theme/style for a folio. You will have the opportunity to prepare for three internally assessed achievement standards and the externally assessed folio. The course is web-based so internet access is essential. A CD-Rom or print version can be available on request for students without internet access.

### AR220Z

#### Painting

NCEA Level 2 (course endorsement available)

Students will explore a range of techniques and media. You will use a creative and a critical approach to develop original ideas and your painting skills in a body of work. Subject matter will explore interior space or exterior landscape/urbanscape. Students are required to research contemporary New Zealand art practice.

Research and document methods and ideas in the context of a drawing study in painting

AS90233 Level 2 Internal 6 credits

Generate and develop ideas using drawing processes and procedures in painting practice

AS90476      Level 2      Internal      6 credits

Produce a body of work within painting to show understanding of art-making methods and ideas

AS90479      Level 2      External      12 credits

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### **AR370A**

#### **Visual Arts, Painting**

NCEA Level 3 and Scholarship  
(course endorsement available)

In level 3 painting, you can study, develop and produce a body of work. You will learn to critically engage, evaluate and investigate artistic procedures and practices. Researching the work of contemporary artists and designers will inform the development of your own ideas. Although the emphasis is on painting, your work can demonstrate influences from design, printmaking, sculpture and photography.

Research and analyse approaches within established painting practice

AS90659      Level 3      Internal      4 credits

Investigate and use ideas and methods in the context of a drawing study in painting

AS90663      Level 3      Internal      6 credits

Produce original work within painting to show extensive knowledge of art-making methods and ideas

AS90667      Level 3      External      14 credits

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### **AR370B**

#### **Visual Arts, Printmaking**

NCEA Level 3 and Scholarship  
(course endorsement available)

In level 3 printmaking, you can study, develop and produce a body of work. You will learn to critically engage, evaluate and investigate artistic procedures and practices. Researching the work of contemporary artists and designers will inform the development of your own ideas. Although the emphasis is on printmaking, your work can demonstrate influences from design, painting, sculpture and photography.

Research and analyse approaches within established printmaking practice

AS90661      Level 3      Internal      4 credits

Investigate and use ideas and methods in the context of a drawing study in printmaking

AS90665      Level 3      Internal      6 credits

Produce original work within printmaking to show extensive knowledge of art-making methods and ideas

AS90669      Level 3      External      14 credits

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### **AR370C**

#### **Visual Arts, Sculpture**

NCEA Level 3 and Scholarship  
(course endorsement available)

In level 3 sculpture, you can study, develop and produce a body of work. You will learn to critically engage, evaluate and investigate artistic procedures and practices. Researching the work of contemporary artists and designers will inform the development of your own ideas. Although the emphasis is on sculpture, your work can demonstrate influences from design, printmaking, photography and painting.

Research and analyse approaches within established sculpture practice

AS90662      Level 3      Internal      4 credits

Investigate and use ideas and methods in the context of a drawing study in sculpture

AS90666      Level 3      Internal      6 credits

Produce original work within sculpture to show extensive knowledge of art-making methods and ideas

AS90670      Level 3      External      14 credits

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### **AR370D**

#### **Visual Arts, Design**

NCEA Level 3 and Scholarship  
(course endorsement available)

In level 3 design, you can study, develop and produce a body of work. You will learn to critically engage, evaluate and investigate artistic procedures and practices. Researching the work of contemporary artists and designers will inform the development of your own ideas. Although the emphasis is on design, your work can demonstrate influences from printmaking, photography, painting, and sculpture.

**Research and analyse approaches within established design practice**

AS90515      Level 3      Internal      4 credits

**Investigate and use ideas and methods in the context of a drawing study in design**

AS90516      Level 3      Internal      6 credits

**Produce original work within design to show extensive knowledge of art-making methods and ideas**

AS90517      Level 3      External      14 credits

# Art History

## Te Toi Hītori

Art history is recommended for students who have an interest in art and how and why it has been produced. It involves the observation, analysis and interpretation of works of art, and places them within their cultural and historical context. Through this subject, students will develop the analytical, critical and research skills needed to gain a greater understanding of artistic ideas and concepts. It is not necessary to have any practical skills in art

### AH250

#### Art History

NCEA Level 2 (course endorsement available)

Nineteenth Century French art and art in Aotearoa are used as starting points for students to develop the art historical skills of observation, analysis and understanding of content and context.

Topics covered in this course include:

- Neo-Classicism
- Romanticism
- Realism
- Impressionism
- Post-Impressionism
- New Zealand colonial and landscape painting
- Colin McCahon
- Architecture in New Zealand
- Regionalism in New Zealand art
- Early Modernism in New Zealand art

Discuss art works

AS90227      Level 2      External      4 credits

Examine subjects and themes in art

AS90228      Level 2      External      4 credits

Examine techniques used in art

AS90229      Level 2      Internal      4 credits

Examine an art movement

AS90230      Level 2      External      4 credits

Research an art history topic

AS90231      Level 2      Internal      4 credits

Examine art works in their environmental contexts

AS90232      Level 2      Internal      4 credits

### AH300

#### Art History

NCEA Level 3 and Scholarship  
(course endorsement available)

The focus of this course is Renaissance Art, a period that helped shape the history of art. At the heart of this course, is the ability to analyse and interpret art within a cultural and historical context. The following three options are offered: Fifteenth Century Italian Painting, High Renaissance and Development of Mannerism, and Venetian Painting. This course is recommended to students with an interest in the arts, English, history and classical studies. It is also useful if considering further tertiary study in any of these areas. It is not necessary to have studied art history at Level 2.

Analyse style in art

AS90490      Level 3      External      5 credits

Describe the meaning of iconographic motifs

AS90491      Level 3      External      4 credits

Examine media and processes in art

AS90492      Level 3      Internal      3 credits

Describe the meaning of iconographic motifs

AS90493      Level 3      Internal      4 credits

Investigate an art issue

AS90494      Level 3      Internal      4 credits

Describe the meaning of iconographic motifs

AS90495      Level 3      External      4 credits

# Biology

## Te Mātauranga Koiora

Biology is at the centre of all life, and through this subject you will explore the living world, its ecology, plant and animal life processes, evolution and relationships between biology and technology. Along with gaining an understanding of yourself, the world and how organisms survive and live together, you will develop essential scientific knowledge, methods and techniques. From here you will be able to effectively analyse scientific information, and discuss the wide range of implications science has on our world including medical and environmental issues. It is a broad interest subject, and important for many careers from health professional through to forestry and zoology.

### BY1000

#### Biology

NCEA Level 1 (course endorsement available)

This course provides an introduction to the living world, its ecology, and the human organ system. Students should enrol for this course if they wish to focus on studying the living world. The same standards are also available in SCI1000 which offers a wider choice of standards. Students wishing to continue with biological studies at NCEA level 2 and beyond are advised to enrol for SCI1000 in addition to BY1000 and to include at least one externally assessed standard from the list below.

Demonstrate understanding of biological ideas relating to genetic variation

SCI.9 (a) Level 1 External 4 credits

Investigate life processes and environmental factors that affect them

SCI.10 Level 1 Internal 4 credits

Investigate the biological impact of an event on a New Zealand ecosystem.

SCI.12 Level 1 Internal 4 credits

Carry out a practical investigation in a biology context

BI.1 (b) Level 1 Internal 4 credits

Report on a biological issue

BI.2 (a) Level 1 Internal 3 credits

Demonstrate understanding of biological ideas relating to the life cycle of flowering plants

BI.4 (a) Level 1 External 4 credits

Demonstrate understanding of biological ideas relating to a mammal as a consumer

BI.5 (a) Level 1 External 3 credits

Demonstrate understanding of biological ideas relating to micro-organisms

BI.3 (a) Level 1 External 4 credits

or  
Investigate interactions between humans and micro-organisms

SCI.11 Level 1 Internal 4 credits

### BY200

#### Biology

NCEA Level 2 (course endorsement available)

With genetic engineering and technology becoming increasingly important in today's world, this NCEA Level 2 course offers you the chance to explore ecology, genetics and evolution in the living world. You will study cell structure and chemistry, while the ever increasing relationship between biology and technology is also investigated. Not only is this course highly relevant, it is useful, and often essential, for students intending to enter tertiary studies in nursing, medicine, veterinary and similar fields.

Carry out a practical biological investigation with supervision

AS90457 Level 2 Internal 3 credits

Describe genetic variation and change

AS90459 Level 2 External 3 credits

Investigate an interrelationship or pattern in an ecological population or community

AS90460 Level 2 Internal 3 credits

Describe concepts and processes relating to ecology

AS90461 Level 2 External 3 credits

Describe diversity in the structure and function of animals

AS90462 Level 2 External 3 credits

Describe diversity in the structure and function of plants

AS90463 Level 2 External 3 credits

Describe cell structure and function

AS90464 Level 2 External 3 credits

Research the interaction between humans and an aspect of biology

AS90769 Level 2 Internal 3 credits

Explain how genetic change occurs within populations

US6308 Level 2 Internal 5 credits

#### Investigate diversity in animals

US8925      Level 2      Internal      3 credits

#### Investigate diversity in plants

US8926      Level 2      Internal      3 credits

#### Investigate structure and function in cells

US8927      Level 2      Internal      3 credits

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### **BY300**

## **Biology**

### NCEA Level 3 (course endorsement available)

This course follows on with the exploration into ecology, genetics and evolution offered at NCEA Level 2. Other areas assessed include animal behaviour, biotechnology and plant responses. It also provides you with the opportunity to research and consider contemporary biological issues, and carry out practical investigations surrounding them. As well as being highly relevant, this course is useful, and often essential, for students intending to enter tertiary studies in nursing, medicine, veterinary and similar fields.

Carry out a practical investigation into an aspect of an organisms ecological niche with guidance

AS90713      Level 3      Internal      4 credits

#### Research a contemporary biological issue

AS90714      Level 3      Internal      3 credits

#### Describe the role of DNA in relation to gene expression

AS90715      Level 3      External      4 credits

#### Describe animal behaviour and plant responses in relation to environmental factors

AS90716      Level 3      External      4 credits

#### Describe processes and patterns of evolution

AS90717      Level 3      External      3 credits

#### Describe applications of biotechnological techniques

AS90718      Level 3      Internal      3 credits

#### Describe trends in human evolution

AS90719      Level 3      External      3 credits

#### Interpret scientific evidence for human evolution

US6318      Level 3      Internal      4 credits

#### Describe gene expression

US8931      Level 3      Internal      4 credits

# Business Studies

## Ngā Akoranga Umanga

Business studies students study how business works and its role in society and in the economy. Students can also explore a range of topics from accounting, economics and legal studies.

### BS000

#### Business Studies

Curriculum Level 5

Business studies is concerned with you as an individual and with your immediate groupings, such as family and whānau. This course helps you to understand how you make basic economic decisions and gives you the necessary skills you need to manage your personal means, both as a consumer and as a worker. In turn, this will help you develop a broader picture of the role of households in the economy. This course offers four short modules that can be studied in any order. Module one discusses what is economics, its values, demands, and making choices. Module two investigates making and spending money, including the smart approaches to buying, spending and earning income, saving and borrowing and insurance. Great economic ideas are covered in Module three which looks at specialisation, technology, consumer law and government. Module four asks what makes a business, both in its work and the world at large.

### BS1000

#### Business Studies

NCEA Level 1 (course endorsement available)

Business contributes to the development of an enterprising culture in New Zealand and supports our efforts to improve economic and community well-being. Business Studies creates opportunities for students to understand the integral role of business in society and the economy. Students can explore enterprise culture, gain knowledge of good business practices and acquire greater financial capability. Studying business enables students to appreciate the issues that challenge businesses and stakeholders. In a rapidly changing world, it is important that citizens are able to make informed and rational decisions about business matters.

Demonstrate an understanding of internal features of a small business

AS90837 (a) Level 1 External 4 credits

Demonstrate an understanding of the external factors influencing a small business

AS90838 (a) Level 1 External 4 credits

Investigate aspects of human resource processes in a business

AS90841 (a) Level 1 Internal 3 credits

Apply business knowledge to an operational problem(s) in a given small business context

AS90839 (a) Level 1 External 4 credits

Apply the marketing mix to a new or existing product

AS90840 (a) Level 1 Internal 3 credits

Demonstrate knowledge of enterprising behaviour, innovation, and entrepreneurship in business contexts

US22847 Level 1 Internal 2 credits

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**BS200****Business Studies**

NCEA Level 2

(course endorsement not available)

This course offers a selection of topics that can be chosen from the NCEA Level 2 accounting, economics and legal studies courses. It builds on skills learnt at NCEA Level 1. Students use computer software to process financial information for a sole proprietor. You will also have an opportunity to analyse economic labour markets, explore aspects of New Zealand's trade with the rest of the world and understand the consumer and employment laws within New Zealand. In turn, this broad course will give you a foundation for any further business and commerce studies.

Use computer software to process financial transactions for a sole proprietor

AS90226      Level 2      Internal      3 credits

Analyse and describe the labour market in economics

US5859      Level 2      Internal      6 credits

Demonstrate and explain the basis for trade, and the impact of a trade policy

US5860      Level 2      Internal      6 credits

Describe the role of law and its relationship with New Zealand society

US8543      Level 2      Internal      2 credits

Describe the objectives and application of consumer law

US8555      Level 2      Internal      3 credits

Describe the employment relationship, and the application of employment law to that relationship

US1979      Level 2      Internal      3 credits

# Chemistry

## Te Mātauranga Matū

People have always been fascinated by the world around us, and chemistry is the study of the very substances that make up the universe. From the time people worked out how to create fire, it has been chemistry at the forefront of exciting discoveries such as the structure of DNA and the use of semiconductors in electronics. Chemistry looks at the behaviour of substances, the changes they undergo to create new ones and the reactions between them. Yet it is more than what happens under a microscope, it is about what it is that makes us, our materials and everything around us. Alongside this, you will learn essential skills and knowledge needed to analyse scientific information and conduct experiments and research. Chemistry is essential for a wide range of careers including medicine, pharmacy, engineering and environmental science through to wine making and food technology.

### CH1000

#### Chemistry

NCEA Level 1 (course endorsement available)

This course provides an introduction to the basics of chemistry. Students should enrol for this course if they wish to focus on studying the material world. The same standards are also available in SCI1000 which offers a wider choice of standards. Students wishing to continue into chemistry-related courses and careers are advised to enrol for SCI1000 in addition to CH1000 and to include at least one externally assessed standard from the list below.

Demonstrate an understanding of aspects of acids and bases

SCI.5            Level 1            External            4 credits

Investigate the implications of the use of carbon compounds as fuels

SCI.6            Level 1            Internal            4 credits

or

Demonstrate understanding of aspects of carbon chemistry

CI.3            Level 1            External            4 credits

Investigate the implications of the properties of metals to their use in society

SCI.7            Level 1            Internal            4 credits

or

Demonstrate understanding of aspects of selected elements

CI.4            Level 1            External            4 credits

Investigate selected chemical reactions

SCI.8            Level 1            Internal            4 credits

or

Demonstrate an understanding of aspects of Chemical reactions

CI.5            Level 1            External            4 credits

Carry out a practical chemistry investigation, with direction

CI.1            (b)            Level 1            External            4 credits

Demonstrate understanding of the chemistry in a technological application, with direction

CI.2            (a)            Level 1            Internal            2 credits

### CH200

#### Chemistry

NCEA Level 2 (course endorsement available)

This course further develops some of the chemistry topics introduced in Science NCEA Level 1, and investigates general scientific nature and problems, oxidation and reduction and the various reactions chemical substances undergo. The use of formulae and equations and the application of mathematics to these are a very important part of the course. Practical work is part of this course, much of which can be done at home. **Note: AS90306 requires access to a school or industrial laboratory.**

Carry out an acid-base volumetric analysis

AS90306            Level 2            Internal            3 credits

Describe the nature of structure and bonding in different substances

AS90308            Level 2            External            4 credits

Describe the structural formulae and reactions of compounds containing selected organic functional groups

AS90309            Level 2            External            4 credits

Describe thermochemical and equilibrium principles

AS90310            Level 2            External            5 credits

Describe oxidation-reduction reactions

AS90311            Level 2            External            3 credits

Solve simple quantitative chemical problems

AS90763            Level 2            Internal            2 credits

Appreciate how groups of related chemical substances meet the needs of society

US6332            Level 2            Internal            3 credits

Characterise the nature of chemical systems at equilibrium

US8942      Level 2      Internal      2 credits

Relate properties of chemical substances to their structure and bonding

US8944      Level 2      Internal      3 credits

Characterise oxidation-reduction reactions

US8947      Level 2      Internal      3 credits

Characterise the behaviour of weak and strong acids and bases

US6338      Level 2      Internal      3 credits

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## CH300

### Chemistry

NCEA Level 3 (course endorsement available)

This course investigates further what it is that helps create our world, and takes the concepts discussed in Level 2 to a more advanced level. There is a focus on atomic structures, bonding and energy change, while topics introduced include organic and inorganic chemistry, electronic structures and electrochemical series and transition. Since quantitative research is involved with chemistry, confidence in general mathematics, simple algebra and graphs are useful and the course is aimed at students going on to tertiary studies in chemistry. Note: AS90694 and AS90695 require access to a school or industrial laboratory.

Carry out an extended practical investigation involving quantitative analysis

AS90694      Level 3      Internal      4 credits

Determine the concentration of an oxidant or reductant by titration

AS90695      Level 3      Internal      2 credits

Describe oxidation-reduction processes

AS90696      Level 3      External      3 credits

Describe aspects of organic chemistry

AS90698      Level 3      External      5 credits

Describe properties of aqueous systems

AS90700      Level 3      External      5 credits

Describe properties of particles and thermochemical principles

AS90780      Level 3      External      5 credits

Calculate the enthalpy change associated with chemical reactions

US8948      Level 3      Internal      2 credits

Characterise the composition of acid and base solutions

US8949      Level 3      Internal      4 credits

Predict the formation of precipitates of sparingly soluble substances

US8950      Level 3      Internal      2 credits

Analyse spontaneous oxidation - reduction reactions

US6345      Level 3      Internal      4 credits

Carry out a practical investigation into variations in the concentration of a chemical substance

US6341      Level 3      Internal      6 credits

# Chinese

## Te Reo Hainamana

Not only is Chinese one of the oldest living languages, but it is a major world language, spoken across the globe by billions of people. As the New Zealand population diversifies Chinese is becoming a major language in this country, while remaining highly important for trade and tourism. For some, the history and very look of its written characters are fascinating, while for others it is a chance to stay in touch with their own family background. This subject focuses on both spoken and written modern standard Chinese (Mandarin) which is used throughout China, Singapore and Taiwan. It also explores the culture of Chinese speaking countries.

### ZH000

#### Chinese beginners

Curriculum Levels 1–5

A beginners' course in modern standard Chinese (Mandarin), where you will practise everyday listening and speaking skills, plus reading and writing the Pinyin alphabetical system and some simple characters. You will learn simple greetings, introduce yourself and family members, how to find your way around town, arrange meetings, book travel arrangements and offer and accept hospitality. You'll learn around 200 characters in this course. You will also find out about life and customs in China. The course can be taken over one or two years.

### ZH1000

#### Chinese

NCEA Level 1 (course endorsement available)

Open to all students, this course will develop your listening and speaking skills in modern standard Chinese (Mandarin), plus reading and writing of simplified characters, with Pinyin used as a means of extending the range of language used. By the end of this course students will be able to read and recognise around 370 characters and write 220 characters. You are required to translate, listen and engage with language as much as possible. The Chinese language and its relationship with life and customs in China is highlighted and topics include things such as folk stories and legends, sport, food and festivals, with students also learning how to communicate the time, direction, seasons and their daily routine.

Demonstrate understanding of a variety of spoken Chinese texts relating to areas of most immediate relevance

1.1 Level 1 External 5 credits

Give a spoken presentation in Chinese that communicates a personal response

1.2 Level 1 Internal 4 credits

Demonstrate understanding of a variety of written/visual Chinese texts relating to areas of most immediate relevance

1.4 Level 1 External 5 credits

Write a variety of text types in Chinese on area of most immediate relevance

1.5 Level 1 Internal 5 credits

### ZH200

#### Chinese

NCEA Level 2 (course endorsement available)

This course builds on language already mastered for NCEA Level 1. General listening and speaking skills are further developed, plus your ability to read and write simplified characters will be expanded. Over the year, you will learn how to communicate information about yourself and your friends, your home country and future plans as well as how to write a CV. As with previous courses, a focus on Chinese culture is emphasised, and issues surrounding living in a foreign country and their customs and behaviour are covered.

Listen to and understand spoken language in Chinese in less familiar contexts

AS90382 Level 2 External 6 credits

Give a prepared spoken presentation in Chinese on a less familiar topic

AS90383 Level 2 Internal 3 credits

Converse in Chinese in a less familiar context

AS90384 Level 2 Internal 3 credits

Read and understand written language in Chinese in less familiar contexts

AS90385 Level 2 External 6 credits

Write text in Chinese on a less familiar topic

AS90386 Level 2 External 3 credits

Produce crafted writing in Chinese on a less familiar topic, with the support of resources

AS90387 Level 2 Internal 3 credits

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**ZH300****Chinese**

NCEA Level 3 and Scholarship  
(course endorsement available)

NCEA Level 3 and Scholarship Chinese will develop your ability to communicate in Chinese in a variety of situations. Throughout the course, opportunities are provided to listen to and speak Chinese, as well as to read and write using simplified characters to an advanced level. Students will learn how to not only express a point of view, but support an argument or provide suggestions. Chinese culture is also considered, in particular the matter of cultural differences, and the skills and advice required to plan a trip to China will be covered.

Listen to and understand complex spoken Chinese in less familiar contexts

AS90546      Level 3      External      6 credits

Give a prepared speech in Chinese using complex language

AS90547      Level 3      Internal      3 credits

Converse in Chinese using complex language in less familiar contexts

AS90548      Level 3      Internal      3 credits

Read and understand written Chinese, containing complex language, in less familiar contexts

AS90549      Level 3      External      6 credits

Write text in Chinese using complex language on a less familiar topic

AS90550      Level 3      External      3 credits

Write crafted text in Chinese, using complex language, with the support of resources

AS90551      Level 3      Internal      3 credits

# Classical Studies

## Te Akoranga Puāwaitanga

Many of Western culture's roots can be traced back to Ancient Greece and Rome. Classical Studies looks into the lives, beliefs and creations of the people of these civilizations. Not only has our literature, language, art and architecture been developed from the classical world, but much of our science, mathematics, laws and systems of government as well. Therefore by comparing our ways of living with these origins, we can gain a greater understanding of the current world and its influences. The subject is multi-disciplinary covering topics from politics to religion and philosophy, and students will gain a wide range of historical knowledge and cultural insight, while developing their analytical, critical and research skills.

### GL220

#### Classical Studies

NCEA Level 2 (course endorsement available)

An introduction to the classical world, where students will learn about Ancient Greek and Roman art, beliefs and literature. This includes a study of classical mythology, Homer's epic poem 'The Odyssey' and Greek tragedy. Politics is also investigated in relation to Ancient Rome with an historical look at Caesar and the philosophy of Cicero. Students will develop a wider knowledge and be challenged to further analyse and research both social and cultural aspects of antiquity.

Examine a passage from a work of classical literature in translation

AS90247      Level 2      External      5 credits

Examine a work of classical art and/or architecture

AS90248      Level 2      External      5 credits

Examine in essay format an aspect of the classical world

AS90249      Level 2      External      5 credits

Complete an independent examination of an area of classical studies

AS90250      Level 2      Internal      5 credits

Communicate knowledge of an aspect of the classical world

AS90251      Level 2      Internal      4 credits

Analyse the nature of classical epic and compare it with a subsequent epic

US7577      Level 4      Internal      6 credits

Explain the career of a major political figure in the classical world

US7601      Level 2      Internal      4 credits

### GL300

#### Classical Studies

NCEA Level 3 and Scholarship  
(course endorsement available)

Theatre and literature form a large part of this course, and their relation to life in ancient Greece and Rome. Importantly, these still influence us today, with much Western drama and fiction originating from this time. Students will encounter the Greek Attic comedy of Aristophanes and Juvenal's 'Satires of Rome' as well as Virgil's epic poem 'Aeneid'. In turn, an introduction to the concepts behind Greek vase painting and an historical study of Alexander the Great is also offered. Throughout the course students will gain further insight into not just ancient culture but the way we act, think and live today.

Explain a passage or passages from a work of classical literature in translation

AS90511      Level 3      External      6 credits

Explain a work or works of classical art

AS90512      Level 3      External      6 credits

Explain in essay format an aspect of the classical world

AS90513      Level 3      External      6 credits

Complete independent research on an area of the classical world

AS90514      Level 3      Internal      6 credits

Analyse the nature of classical epic and compare it with a subsequent epic

US7577      Level 4      Internal      6 credits

Examine the characters, themes, and staging of two Aristophanic comedies

US7587      Level 3      Internal      6 credits

Examine the career and achievements of Alexander the Great

US7591      Level 3      Internal      6 credits

Examine the development of Attic vase painting in the 6th and 5th centuries BC

US7593      Level 3      Internal      6 credits

# Commerce Studies

## Te Mātauranga Tauhokohoko

Commerce studies students can learn about specialist commerce subjects of their choice and explore a broad range of topics available from accounting, business studies, economics and legal studies.

### CMI1000

#### Commerce Studies

##### NCEA Level 1

(course endorsement not available)

This course offers a range of topics from NCEA Level 1 accounting, economics, business studies and legal studies. It is designed for students who are unable to sit external exams due to exceptional circumstances, but requires the approval of the Curriculum Leader: Social Sciences. It offers internally assessed standards only and students can select up to a total of 24 credits. Note that this course does not offer course endorsement and students will not have the opportunity to sit external exams. If students wish to progress to NCEA Level 2 Accounting, further learning may be required.

Demonstrate understanding of decisions a producer makes about production

EC1.2 (a) Level 1 Internal 5 credits

Demonstrate understanding of a government choice where affected groups have different viewpoints

EC1.5 (a) Level 1 Internal 4 credits

Demonstrate understanding of the interdependence of sectors of the New Zealand economy

EC1.6 (a) Level 1 Internal 3 credits

Prepare financial information for a community organisation's annual general meeting

AC1.4 (a) Level 1 Internal 4 credits

Demonstrate understanding of cash management for a small entity

AC1.7 (a) Level 1 Internal 4 credits

Apply the marketing mix to a new or existing product

AS90840 Level 1 Internal 3 credits

Investigate aspects of human resource processes in a business

AS90841 Level 1 Internal 3 credits

Demonstrate knowledge of enterprising behaviour, innovation, and entrepreneurship in business contexts

US22847 Level 1 Internal 2 credits

Identify and describe basic employment rights and responsibilities, and sources of information and assistance

US1978 Level 1 Internal 3 credits

Demonstrate knowledge of accessing legal assistance

US8548 Level 1 Internal 2 credits

# Digital Technology

## Te Hangauarau Mamati

These courses are designed to equip the student with the ability to communicate quickly and effectively through creating, editing and formatting documents. From keyboarding to data management, the courses will help to further specific computing skills and knowledge in order to achieve this and provide students with an excellent introduction to the world of information communication technology.

### TIM500

#### Information Management

NCEA level 1

This course introduces the use of text entry skills and will give the student a broad understanding of the basic functions needed to operate a computer. Text management is particularly useful for those interested in developing their skills in document writing and design, while also helping to extend their general computer knowledge. The course also offers students the opportunity to develop their text entry and keyboard skills.

Develop and use keyboarding skills to enter text

US101            Level 1            Internal            3 credits

Consolidate keyboarding skills and produce accurate text

US102            Level 1            Internal            3 credits

### DT1000

#### Digital Technology

NCEA Levels 1, 2 & 3

(course endorsement not available)

This is an online course which covers NCEA Levels 1, 2 and 3 and aims to develop students' computing knowledge and software skills. You will learn how to operate and monitor a computer, its hardware and networks, as well as Desktop Publishing and eventually web design and programming (to be introduced during 2011 and 2012). Other topics covered include file management and data protection along with an investigation into computer ethics and ergonomics.

Develop and use keyboarding skills to enter text

US101            Level 1            Internal            3 credits

Consolidate keyboarding skills and produce accurate text

US102            Level 1            Internal            3 credits

Enter and manage text for generic text and information management

US12883            Level 1            Internal            3 credits

Produce a spreadsheet from instructions

US18743            Level 1            Internal            2 credits

Demonstrate and apply knowledge of a personal computer system

US2780            Level 1            Internal            3 credits

Produce simple desktop published documents using templates

US2792            Level 1            Internal            2 credits

Create and use simple command sequences in a computer language (to be introduced during 2011)

US18739            Level 1            Internal            2 credits

Use computer technology to create and deliver a presentation from given content (to be introduced during 2011)

US5946            Level 1            Internal            3 credits

Use a word processor to produce documents

US111            Level 2            Internal            5 credits

**Manage and protect data in a personal computer system**

US2781      Level 2      Internal      3 credits

**Create and use a computer spreadsheet to solve a problem**

US2784      Level 2      Internal      3 credits

**Create and use a computer database to solve a problem**

US2786      Level 2      Internal      3 credits

**Produce desktop published documents to meet a set brief**

US2788      Level 2      Internal      5 credits

**Integrate spreadsheet and database data into a word processed document to solve a problem**

US2791      Level 2      Internal      3 credits

**Produce a presentation using a desktop presentation computer application (to be introduced during 2011)**

US5940      Level 2      Internal      3 credits

**Create a simple computer program to meet a set brief**

US18740      Level 2      Internal      3 credits

**Demonstrate an understanding of ergonomic principles for computer workstations**

US6743      Level 2      Internal      2 credits

**Produce information using word processing functions (to be introduced during 2011)**

US112      Level 3      Internal      5 credits

**Create a computer spreadsheet to provide a solution for organisational use**

US2785      Level 3      Internal      5 credits

**Produce a computer flatfile database to provide solutions for organisational use**

US2787      Level 3      Internal      5 credits

**Demonstrate knowledge of the principles of computer networks**

US2797      Level 3      Internal      4 credits

**Produce desktop published documents for organisation use (to be introduced during 2011)**

US2789      Level 3      Internal      6 credits

# Economics

## Te Mātauranga Ōhanga

Economics is a social science and is about people and how they use resources. By studying economics students will become aware of the role that everyone plays in an economy, while increasing their understanding of economic events and improving their own decision making. Students will explore the interactions between producers, consumers and government, and the impact economic decisions can have on society. Economics encourages students to think critically and independently about business, economic and social issues. This subject leads to careers in a range of fields including social policy and planning, business and financial management.

### EC1000

#### Economics

NCEA Level 1 (course endorsement available)

In this course students learn about producer and consumer choices, interactions between households and firms, how economic decisions are made, and the effects these choices have on individuals and the economy. Students will be introduced to the way producers work and the concept of a market which determines prices and allocates scarce resources. We are all involved in economics as producers or consumers and this course provides an understanding of our different roles in this process.

Demonstrate understanding of consumer choices, using scarcity and/or demand

1.1 (a) Level 1 External 4 credits

Demonstrate understanding of decisions a producer makes about production

1.2 (a) Level 1 Internal 5 credits

Demonstrate understanding of producer choices, using supply

1.3 (a) Level 1 External 3 credits

Demonstrate understanding of how consumer, producer and/or government choices affect society, using market equilibrium

1.4 (a) Level 1 External 5 credits

Demonstrate understanding of a government choice where affected groups have different viewpoints

1.5 (a) Level 1 Internal 4 credits

Demonstrate understanding of the interdependence of sectors of the New Zealand economy

1.6 (a) Level 1 Internal 3 credits

### EC200

#### Economics

NCEA Level 2 (course endorsement available)

In this course students explore major economic issues such as economic growth, employment, trade and inflation. They will develop the skills to define and measure these as well as understand their causes and possible effects. Students will learn to use and evaluate current economic models. The role of the government in such issues and the consequences of government policies are also explored. Students will examine the interdependent nature of economies and the concept of market forces, thereby gaining greater understanding of economic events and trends.

Describe inflation and its causes and effects using economic models

AS90794 Level 2 External 4 credits

Describe international trade and its causes and effects using economic models

AS90795 Level 2 External 4 credits

Describe economic growth and its causes and effects using economic models

AS90796 Level 2 External 4 credits

Process, present and analyse statistical data in relation to given economic issues

AS90797 Level 2 Internal 6 credits

Describe government policies in relation to economic issues

AS90798 Level 2 External 6 credits

Analyse and describe the labour market in economics

US5859 Level 2 Internal 6 credits

Demonstrate and explain the basis for trade, and the impact of a trade policy

US5860 Level 2 Internal 6 credits

Describe and measure inflation, its causes and effects, and the impact of a policy to reduce inflation

US5861 Level 2 Internal 6 credits

Use measures of economic growth, explain changes in growth and the impact of growth policies  
US5862      Level 2      Internal      6 credits

Demonstrate and explain national income determination  
US5867      Level 3      Internal      5 credits

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**EC350****Economics**

NCEA Level 3 and Scholarship  
(course endorsement available)

This course will develop and improve economic understanding of a range of social and economic issues. There are three main areas of study. The first is based around resource allocation and the market and will look closely at the concepts of demand and supply, monopolies and market analysis and structures. The second section, allocation via the public sector, enables students to understand the role of government in providing goods and services in the economy. The third section looks at the New Zealand economy as a whole – its output, its monetary system and its relationship with the rest of the world.

Understand marginal analysis and the behaviour of firms  
AS90629      Level 3      External      5 credits

Describe an economic problem, allocative efficiency, and market responses to change  
AS90630      Level 3      External      4 credits

Describe market failure and government interventions to correct for market failure  
AS90631      Level 3      External      4 credits

Describe aggregate economic activity  
AS90632      Level 3      External      6 credits

Collect and process information, and carry out an economic analysis  
AS90778      Level 3      Internal      5 credits

Investigate and compare the behaviour of firms under different market structures  
US5863      Level 3      Internal      5 credits

Explain and apply the concepts of marginal utility and elasticity  
US5864      Level 3      Internal      5 credits

Examine the allocation of resources via the market and the state  
US5865      Level 3      Internal      5 credits

Demonstrate and explain the operation of the money market and the foreign exchange market  
US5866      Level 3      Internal      6 credits

# English

## Te Reo Ingarihi

So much of our heritage can be seen through literature. The skills learnt in English are essential for almost all aspects of life, while also encouraging a lifelong love for literature and learning. From basic reading and writing skills through to techniques involved in literary criticism, students will develop the ability to communicate and express themselves, regardless of the situation. Such skills develop students' independent thinking, and they also broaden their perspectives and understanding of society. Overall, English will challenge students to argue, debate and question people and the world, as well as analyse and comprehend a range of written texts.

### ES000

#### English Skills

Curriculum Levels 2 & 3

This course is suited to students from Years 9–13, as well as Young adults and Adults, where learning basic literacy skills are the focus. This course is personalised to meet students' individual learning needs. Building confidence in reading and writing is essential for communication. During this course, students will learn basic reading skills, spelling and sentence construction, along with proof-reading and writing skills. Students will learn from a variety of written, oral and visual texts.

### EN000

#### Secondary Junior English

Curriculum Levels 3, 4 & 5

This course is suited to students at Years 9–10, who are working at Curriculum Levels 3–5 in English. This course is based on a thematic approach and is personalised to meet individual learning needs. All aspects of English are covered, from reading, writing and speaking, through to listening, viewing and image-making exercises. The ability to research and write a formal essay is a major focus of the course, as is developing an appreciation of literature through a varied reading programme. This course aims to develop the necessary skills in preparation for moving onto NCEA Level English.

### EN150

#### Practical English

NCEA Level 1

(course endorsement not available)

For 2011 only, this course is offered in a transition arrangement. It is recommended that most students will enrol in the EN1000 course and be assessed against the achievement standards that replace the English unit standards. This course focuses on communication and language skills. Students will study a range of other texts including static images, audio recordings and films. Throughout, students will have the chance

to cover and improve reading and writing skills that are needed in the workplace. There is the opportunity to produce a piece of creative writing, and for the student to express their own imaginative ideas and opinions. Students will learn how to analyse and understand a variety of visual, oral and written language, while developing a greater awareness of the role and possibilities the English language plays in everyday life.

Write formal personal correspondence

US10792 (e) Level 1 Internal 3 credits

Explore language and think critically about moving images

US12415 (e) Level 1 Internal 3 credits

Present a static image using verbal and visual features

US12417 (e) Level 1 Internal 2 credits

Independently read texts for practical purposes and to gain knowledge

US25060 (e) Level 1 Internal 6 credits

Fill in a form

US3483 Level 1 Internal 2 credits

Demonstrate knowledge of and apply listening techniques

US3501 Level 1 Internal 3 credits

Read an inclusive range of written texts and record the reading experience

US8808 (e) Level 1 Internal 3 credits

Read an inclusive range of visual texts and record the reading experience

US8810 (e) Level 1 Internal 2 credits

Produce poetic written text in simple forms

US8813 (e) Level 1 Internal 4 credits

Deliver transactional oral text

US8816 (e) Level 1 Internal 3 credits

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**EN1000****English****NCEA Level 1**

In EN1000, the focus is on developing English skills in 'making meaning' (through reading, viewing and listening to a range of texts) and in 'creating meaning' (through presenting work in written, visual and oral mediums). The assessment opportunities are through NCEA Level 1 English achievement standards and a small number of communication skills unit standards. This course has a broad thematic focus and offers preparation for the external examinations at the end of the year and opportunities to be assessed against internally assessed standards. An appreciation of literature is developed throughout the course, and students will be encouraged to critically read and interpret the works they encounter, and to further explore their themes and context.

**Produce creative writing**

1.4 (a) Level 1 Internal 3 credits

**Produce formal writing**

1.5 (a) Level 1 Internal 3 credits

**Show understanding of specified aspect(s) of studied written text(s), using supporting evidence**

1.1 (a) Level 1 External 4 credits

**Show understanding of specified aspect(s) of studied visual or oral text(s), using supporting evidence**

1.2 (a) Level 1 External 4 credits

**Show understanding of visual and/or oral text(s) through close viewing and/or listening, using supporting evidence**

1.11 (a) Level 1 Internal 3 credits

**Show understanding of significant aspects of unfamiliar written text(s) through close reading, using supporting evidence**

1.3 (a) Level 1 External 4 credits

**Construct and deliver an oral text**

1.6 (a) Level 1 Internal 3 credits

**Create a visual text**

1.7 (a) Level 1 Internal 3 credits

**Explain significant connection(s) across texts, using supporting evidence**

1.8 (a) Level 1 Internal 4 credits

**Use information literacy skills to form conclusion(s)**

1.9 (a) Level 1 Internal 4 credits

**Form personal response to independently read texts, supported by evidence**

1.10 (a) Level 1 Internal 4 credits

**Write formal personal correspondence**

US10792 (e) Level 1 Internal 3 credits

**Independently read texts for practical purposes and to gain knowledge**

US25060 (e) Level 1 Internal 6 credits

**Demonstrate knowledge of and apply listening techniques**

US3501 Level 1 Internal 3 credits

**Fill in a form**

US3483 Level 1 Internal 2 credits

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**EN250****Practical English****NCEA Levels 1 & 2**

(course endorsement not available)

With a practical focus on communication skills, this course looks at the foundations of English language. Students will improve their grammatical knowledge and develop their ability to construct and link ideas. This improvement is achieved with writing tasks that challenge students to produce personal and business writing that explains a situation or expresses a point of view. Students also study workplace communication, both oral and written. Reading and response tasks help students to improve their knowledge and appreciation of English literature, and their skills in analysing what they read.

**Write formal personal correspondence**

US10792 (e) Level 1 Internal 3 credits

**Independently read texts for practical purposes and to gain knowledge**

US25060 (e) Level 1 Internal 6 credits

**Demonstrate knowledge of and apply listening techniques**

US3501 Level 1 Internal 3 credits

**Read an inclusive variety of written texts and record the reading experience**

US12905 (e) Level 2 Internal 4 credits

**Communicate information in a specified workplace**

US1277 (e) Level 2 Internal 3 credits

**Be assertive in a range of specified situations**

US1299      Level 2      Internal      4 credits

**Communicate with people from other cultures**

US1304      Level 3      Internal      2 credits

**Select, assess, and read texts to gain knowledge**

US2989 (e)      Level 2      Internal      3 credits

**Write business correspondence for a workplace**

US3488      Level 2      Internal      6 credits

**Produce crafted and developed creative writing**

AS90375 (e)      Level 2      Internal      3 credits

**Produce crafted and developed formal transactional writing**

AS90376 (e)      Level 2      Internal      3 credits

**EN200**

**English**

**NCEA Level 2 (course endorsement available)**

At NCEA Level 2 English, there is a focus on literary criticism, where students will test and build their reading skills through a range of literature that includes novels, short stories and poetry. Drama and film studies are also included. Along with developing students' analytical, research and presentation abilities, various writing styles will be explored. Since being able to express an opinion is a fundamental aspect of any form of criticism, essay writing is a major part of this course. In turn, the creative writing section gives students the opportunity to put the knowledge they have gained from studying literary structures and forms into practice for their own enjoyment.

**Deliver a presentation using oral and visual language techniques**

AS90374 (e)      Level 2      Internal      3 credits

**Produce crafted and developed creative writing**

AS90375 (e)      Level 2      Internal      3 credits

**Produce crafted and developed formal transactional writing**

AS90376 (e)      Level 2      Internal      3 credits

**Analyse extended written text(s)**

AS90377 (e)      Level 2      External      3 credits

**Analyse short written text(s)**

AS90378 (e)      Level 2      External      3 credits

**Analyse a visual or oral text**

AS90379 (e)      Level 2      External      3 credits

**Read unfamiliar texts and analyse the ideas and language features**

AS90380 (e)      Level 2      External      3 credits

**Investigate a language or literature topic and present information in written form**

AS90381 (e)      Level 2      Internal      3 credits

**Read an inclusive variety of written texts and record the reading experience**

US12905 (e)      Level 2      Internal      4 credits

**EN300****English**

NCEA Level 3 (course endorsement available)

The breadth of areas English covers is fascinating, and this course gives students the opportunity to explore them all from Shakespearean plays to their own poetic writing. Developing the ability to critically evaluate a range of texts is the main thrust of the course, and students will expand their reading, writing and presentation skills further. Both poetry and prose, along with visual texts such as film can be investigated. Students can select a particular aspect of literature to independently research and study in depth. Again, essay writing forms a large part of the work, and will challenge students to creatively articulate their own opinions on particular texts and their relationship with society as a whole.

**Produce an extended piece of writing in a selected style**

AS90720 (e) Level 3 Internal 4 credits

**Respond critically to written text(s) studied**

AS90721 (e) Level 3 External 3 credits

**Respond critically to Shakespearean drama studied**

AS90722 (e) Level 3 External 3 credits

**Respond critically to oral or visual text studied**

AS90723 (e) Level 3 External 3 credits

**Read and respond critically to unfamiliar prose and poetry texts**

AS90724 (e) Level 3 External 3 credits

**Construct and deliver an oral presentation**

AS90725 (e) Level 3 Internal 4 credits

**Complete independent research on a language or literature topic and present conclusions in writing**

AS90726 (e) Level 3 Internal 4 credits

**Investigate a theme across a range of selected texts and evaluate the outcomes of the investigation**

US8834 (e) Level 3 Internal 6 credits

# Fashion/Textiles

## T Akoranga Pūweru

An introduction to the world of design and the fashion industry. This specialised study of textiles in technology includes the investigation, use and development of materials to construct high quality finished products. Students will receive the opportunity to construct their own fashion portfolios.

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### FD200

#### Fashion Design

NCEA Level 2

(course endorsement not available)

In this course students explore principles in design, experiment with methods of decorating fabrics, develop pattern making skills and construct high-quality finished products. With a wide variety of topics ranging from fashion illustration to wearable art, students select areas of interest, which also include dying and printing a sarong, designing a co-ordinated range of bed linen and carrying out pattern adaptations to construct a leisure jacket. This course also aims to assist students entering design competitions, and their work can be included in the assessments.

Prepare for and produce fashion drawings

US16837      Level 2      Internal      3 credits

Adapt a commercial pattern for a garment

US6685      Level 2      Internal      5 credits

Incorporate applied design in fabric

US6688      Level 2      Internal      6 credits

Apply colour to fabrics

US6689      Level 2      Internal      5 credits

Prepare for and construct a leisure garment

US6692      Level 2      Internal      5 credits

Prepare for and construct a non-wearable textile item

US6693      Level 2      Internal      6 credits

Prepare for and create wearable art

US6697      Level 2      Internal      6 credits

Identify design problems and carry out investigation

US7489      Level 2      Internal      4 credits

Develop and refine design solutions

US7491      Level 2      Internal      3 credits

Present design work

US7492      Level 2      Internal      3 credits

# French

## Te Reo Wīwī

Learning French introduces you not only to a new language, but to a culture and society as well. Languages can bring people together, and French is widely used for communicating in many parts of the world, including our close Pacific neighbour, New Caledonia. People who know French can share in the rich traditions and history of France, a country that continues to fascinate the rest of the world, be it on the rugby field, in the arts or in its culinary reputation. In turn, the ability to speak French can help with travel, business and political interactions around the world.

### FR000

#### Beginners French

Curriculum Levels 1, 2, 3, 4 & 5

Language helps to shape people and nations, and this introductory course is designed to help young people learn how to speak and understand French. Basic French vocabulary is developed from being able to introduce yourself, talk about your family and hobbies and get directions around a French-speaking town. Students will also be introduced to French culture and the various French-speaking countries around the world. The second part of the course revises and extends upon the work done at the beginners level. Students will learn grammar and further develop general reading, writing and speaking skills. The aim is to equip students with the ability to communicate in everyday situations, and topics included are eating and drinking, shopping and a typical day at home. The skill to give and understand directions, as well as describe people, is another major focus of the course, with much of what is taught also providing a valuable insight into general French culture and society.

### FRI000

#### French

NCEA Level 1 (course endorsement available)

In this NCEA Level 1 course, there is an emphasis on both written and spoken French. It aims to advance on basic listening, speaking, reading and writing skills, and topics are set to reflect common situations students may encounter.

Demonstrate understanding of a variety of spoken French texts relating to areas of most immediate relevance

1.1                      Level 1                      External                      5 credits

Give a spoken presentation in French that communicates a personal response

1.2                      Level 1                      Internal                      4 credits

Demonstrate understanding of a variety of written/visual French texts relating to areas of most immediate relevance

1.4                      Level 1                      External                      5 credits

Write a variety of text types in French on area of most immediate relevance

1.5                      Level 1                      Internal                      5 credits

**FR200****French**

NCEA Level 2 (course endorsement available)

This course will give a deeper appreciation for listening, speaking, reading and writing French and an understanding of life and customs in France and other French-speaking countries. Its focus is on providing a solid knowledge of vocabulary and grammatical structures for communication in a range of everyday situations. Students will gain a greater awareness of French cultural aspects, with topics covered including French-New Zealand links, regional France and France in the new Europe. Furthermore, the course will extend previously learnt linguistic skills and look at themes of health and fitness, fashion and technology.

**Listen to and understand simple spoken French in less familiar contexts**

AS90395	Level 2	External	6 credits
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**Give a prepared spoken presentation in French on a less familiar topic**

AS90396	Level 2	Internal	3 credits
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**Converse in French in a less familiar context**

AS90397	Level 2	Internal	3 credits
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**Read and understand written language in French in less familiar contexts**

AS90398	Level 2	External	6 credits
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**Write text in French on a less familiar topic**

AS90399	Level 2	External	3 credits
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**Produce crafted writing in French on a less familiar topic, with the support of resources**

AS90400	Level 2	Internal	3 credits
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**FR320****French**

NCEA Level 3 and Scholarship  
(course endorsement available)

With a major focus on French literature study and reading, this course consolidates and extends students' linguistic skills in all areas of the French language. The aim is to develop communication skills in a variety of authentic contexts. Students are encouraged to discuss a range of ideas and opinions in French, and relate to cultural aspects of French life.

**Listen to and understand complex spoken French in less familiar contexts**

AS90558	Level 3	External	6 credits
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**Give a prepared speech in French using complex language**

AS90559	Level 3	Internal	3 credits
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**Converse in French using complex language in less familiar contexts**

AS90560	Level 3	Internal	3 credits
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**Read and understand written French, containing complex language, in less familiar contexts**

AS90561	Level 3	External	6 credits
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**Write text in French using complex language on a less familiar topic**

AS90562	Level 3	External	3 credits
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**Write crafted text in French, using complex language, with the support of resources**

AS90563	Level 3	Internal	3 credits
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# Gateway

## Nga Pōkenga Mahi

If you have a chosen career path, and want to gain the skills and experience needed to further your goals, Gateway is a tailored programme for you. Structured around work-based learning, it allows students to learn and work while still at school. Full-time students in years 11–13 can select an industry of interest and study areas that will give them confidence to go out and achieve their dreams.

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### **GATEWAY**

#### **Gateway**

NCEA Levels 1, 2 & 3

The Gateway programme is a structured, work based learning programme in an industry of your choice. You will be trained and assessed in the workplace and can gain credits towards national certificates and qualifications. The Gateway Coordinator works with each student to develop an individual Gateway Learning Plan. Most work placements are for one day a week and there are numerous industries to select from. Over the duration of the year you will receive both on the job training and mentoring from your workplace supervisor. Gateway applications are welcome from our full-time years 11 to 13 students who are work ready, and Young Adults doing the equivalent of a full-time course. Places are limited.

# Geography

## Te Mātauranga Mātai Matawhenua

Geography is the study of the land including its relief, climate, vegetation and soil and the way people live and interact with the land. It is a bridging subject between the earth sciences and social sciences. Geography teaches students to make connections between people and their environment. Geography investigates natural, political, economic and cultural environments, the use of resources and their relationship with the land. It gives students the ability to make informed decisions about a range of local, national and international issues from resource planning to globalisation. It also develops knowledge of geographic terminology and concepts and their relevance to contemporary issues. Geography leads to careers in a range of fields such as travel, resource planning, conservation and volcanology.

### GY1000

#### Geography

NCEA Level 1 (course endorsement available)

This is an introduction to geography, its basic skills and theories. Students will learn how the world's natural environments and people interact through studies of population issues, resource use and the effects of extreme natural events. The course teaches students how to draw and read maps, recognise the causes and effects involved in environmental and social events, as well as how to interpret a variety of information and data. There is a focus on both New Zealand and global issues which will develop research and observation skills and give students the ability to take action and solve problems.

Demonstrate geographic understanding of an extreme natural event

1.1 (a) Level 1 External 4 credits

Demonstrate geographic understanding of population concepts

1.2 (a) Level 1 External 4 credits

Apply concepts and basic geographic skills to demonstrate understanding of context

1.4 (b) Level 1 External 4 credits

Conduct geographic research, with direction

1.5 (b) Level 1 Internal 4 credits

Describe aspects of a contemporary New Zealand geographic issue

1.6 (a) Level 1 Internal 4 credits

Describe aspects of a geographic environment at a global scale

1.7 (a) Level 1 Internal 4 credits

Assess a work of fiction from a geographic perspective

US11084 Level 3 Internal 2 credits

### GY200

#### Geography

NCEA Level 2 (course endorsement available)

Both our natural and urban environments come under investigation. It asks what these are like, why they exist, and what contrasts and similarities exist. Students are also asked to consider the differences between developed and less developed countries, and how this affects their people and society. Issues such as access to safe water and generation of wind power are considered both on a national and international level. Basic geographic skills and techniques will be expanded, and the ability to analyse and interpret an array of data is developed. There is the opportunity to conduct a survey, process the results, reach conclusions and critically evaluate the research findings.

Explain a natural landscape

AS90331 Level 2 External 3 credits

Explain an urban settlement

AS90332 Level 2 External 3 credits

Explain disparities in development within or between countries

AS90333 Level 2 External 3 credits

Apply skills and ideas, in a geographic context

AS90334 Level 2 External 4 credits

Carry out and present guided geographic research

AS90335 Level 2 Internal 5 credits

Explain a contemporary geographic issue and evaluate courses of action

AS90336 Level 2 Internal 3 credits

Explain a geographic topic at a global scale

AS90337 Level 2 Internal 3 credits

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**GY300****Geography**

NCEA Level 3 and Scholarship  
(course endorsement available)

This is an advanced geography course that involves detailed study of natural events such as volcanism and cultural events such as migration or tourism. The processes for obtaining resource planning consent are examined. Advanced research skills are developed on topics that student choose, relating to environmental issues.

**Analyse natural processes in the context of a geographic environment**

AS90701      Level 3      External      4 credits

**Analyse a cultural process**

AS90702      Level 3      External      4 credits

**Explain the contribution of geography to planning and decision-making processes**

AS90703      Level 3      Internal      3 credits

**Select and apply skills and ideas in a geographic context**

AS90704      Level 3      External      4 credits

**Carry out and present geographic research with consultation**

AS90705      Level 3      Internal      3 credits

**Analyse a contemporary geographic issue and evaluate courses of action**

AS90706      Level 3      Internal      3 credits

**Analyse a geographic topic at a global scale**

AS90707      Level 3      Internal      3 credits

# German

## Te Reo Tiamana

Germany is a country with a long and rich heritage and is at the centre of Europe both geographically and culturally. German is closely related to English, and is more similar to English than any other language. With over 100 million German speakers throughout Europe from Austria to Switzerland, it is also a popular language in New Zealand. In turn, there are numerous close links between this country and Germany through trade, tourism and exchanges, making knowledge of the language and people an incredibly useful skill across many areas.

### GR000

#### Beginners German

Curriculum Levels 1–5

A beginners' course introducing students to basic listening, speaking and reading skills using everyday German. During the course you will learn how to greet people, speak about yourself, ask for directions and tell the time. German culture is also investigated to give students a broad understanding of the country's customs, behaviour and life with topics covered including schooling and travelling in Germany. Communication activities as well as essential grammar and writing are emphasised throughout.

Common and everyday aspects of German language and culture are at the centre of the second half of the course. Grammar and speaking skills are considered more in depth, and the course also aims to increase students' confidence in writing and listening to German. Students will learn how to communicate further about their world, their personality, family and interests. Practical topics are also explored such as purchasing goods and talking about food and the weather.

### GR1000

#### German

NCEA Level 1 (course endorsement available)

Along with consolidating listening, speaking and reading skills, students will gain an understanding of basic German grammar and writing. There is a focus on communicating, on aspects relating to home and family life, as well as a range of leisure activities. It offers a broad insight into life in both Germany and New Zealand, and includes studies of some major German cities and areas.

Demonstrate understanding of a variety of spoken German texts relating to areas of immediate relevance

1.1	Level 1	External	5 credits
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Give a spoken presentation in German that communicates a personal response

1.2	Level 1	Internal	4 credits
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Demonstrate understanding of a variety of written/visual German texts relating to areas of immediate relevance

1.4	Level 1	External	5 credits
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Write a variety of text types in German on areas of most immediate relevance

1.5	Level 1	Internal	5 credits
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**GR220****German**

NCEA Level 2 (course endorsement available)

This course consolidates and extends German language skills and further develops an understanding of life in Germany. There is an emphasis on deepening students' ability to communicate both verbally and through writing, and vocabulary and grammar is built on extensively. Topics explored are theme-based and focus on everyday situations. They involve aspects to do with social and school life, along with a look at the environment, youth and future careers. Social and economic relationships between New Zealand and Germany are discussed alongside a broader investigation into cultural issues where students will learn about Berlin, Germany's multi-cultural population and other German-speaking nations.

**Listen to and understand spoken language in German in less familiar contexts**

AS90401	Level 2	External	6 credits
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**Give a prepared spoken presentation in German on a less familiar topic**

AS90402	Level 2	Internal	3 credits
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**Converse in German in a less familiar context**

AS90403	Level 2	Internal	3 credits
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**Read and understand written language in German in less familiar contexts**

AS90404	Level 2	External	6 credits
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**Write text in German on a less familiar topic**

AS90405	Level 2	External	3 credits
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**Produce crafted writing in German on a less familiar topic, with the support of resources**

AS90406	Level 2	Internal	3 credits
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**GR320****German**

NCEA Level 3 and Scholarship  
(course endorsement available)

This course advances students' linguistic development and German language skills. It challenges them to read, write and speak German in less familiar contexts and with more complex language. As well as vocabulary, grammatical and written abilities will be further broadened. The focus is built around various themes that explore different aspects of German culture, its people and events. From traditional stories to the media and creative arts, students will be challenged to express their thoughts and opinions on these topics in German, as much as possible.

**Listen to and understand complex spoken German in less familiar contexts**

AS90564	Level 3	External	6 credits
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**Give a prepared speech in German using complex language**

AS90565	Level 3	Internal	3 credits
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**Converse in German using complex language in less familiar contexts**

AS90566	Level 3	Internal	3 credits
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**Read and understand written German, containing complex language, in less familiar contexts**

AS90567	Level 3	External	6 credits
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**Write text in German using complex language on a less familiar topic**

AS90568	Level 3	External	3 credits
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**Write crafted text in German, using complex language, with the support of resources**

AS90569	Level 3	Internal	3 credits
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# Graphics

## Te Mātauranga Whakairoiro

Graphics investigates the drawing and design process, to give students the skills to solve a range of design problems. If you are interested in design and drawing then this could be the subject for you. From sketching and rendering through to formal working drawings and plans, students will explore numerous forms of design and presentation techniques.

### GD000

#### Graphics and Design

Curriculum Level 5

This course will appeal to any student who enjoys drawing and is interested in the challenge of solving design problems. Throughout, students will be led through basic design and drawing techniques, which will enable them to design everyday objects and present them graphically. Topics include pictorial drawing, sketching and colouring, along with instrumental and orthographic drawing. Students will also develop skills for reading drawings, modelling and evaluating, while gaining a greater understanding of design processes and projects within architectural, technological and media contexts.

### GDI000

#### Graphics: Design and Visual Communication

NCEA Level 1 (course endorsement available)

Communication through design is the focus of this course and if you are interested in design, formal working drawings and presentation techniques, this is for you. Students will use these skills, as well as sketching and colour rendering to find solutions to design problems. Topics are based in the area of product and architectural design.

Produce freehand sketches that communicate design ideas

I.1 Level 1 External 3 credits

Produce instrumental, multi-view orthographic drawings that communicate technical features of own design ideas

I.2 Level 1 External 3 credits

Produce instrumental, multi-view working drawings to communicate own design ideas

I.3 Level 1 External 3 credits

Use rendering techniques to communicate the form of own design ideas

I.4 Level 1 Internal 3 credits

Use the work of an influential designer to inform own design ideas

I.5 Level 1 Internal 3 credits

Demonstrate development of own design ideas communicated through graphics practice

I.6 Level 1 Internal 6 credits

Promote design work to an audience using visual communication techniques

I.7 Level 1 Internal 4 credits

**GD200****Graphics**

NCEA Level 2 (course endorsement available)

Students will be challenged to find solutions to a variety of design problems through the design process. A range of skills will be taught and practised, including formal and informal drawing techniques, colour rendering and drawing presentation as well as lettering and information layout. These are done through numerous topics such as media and technology design, along with design ideas relating to both environmental and architectural fields. Students will be able to put their knowledge into practice, and have the opportunity to design such items as a restaurant franchise, a magazine cover or an apartment.

Produce two-dimensional and three-dimensional annotated freehand sketches to show design ideas

AS90318      Level 2      External      3 credits

Produce two-dimensional instrumental drawings

AS90319      Level 2      External      3 credits

Produce three-dimensional instrumental drawings

AS90320      Level 2      External      3 credits

Design and present a solution for an architectural or environmental brief

AS90323      Level 2      Internal      3 credits

Design and present a solution for a media or technical illustration brief

AS90325      Level 2      Internal      3 credits

Identify design problems and carry out investigation

US7489      Level 2      Internal      4 credits

Develop and refine design solutions

US7491      Level 2      Internal      3 credits

Produce circuit and/or systems graphics

US7509      Level 2      Internal      4 credits

**GD350****Graphics**

NCEA Level 3 (course endorsement available)

Over the duration of this course students will negotiate and write their own design briefs based on the needs of authentic clients, then complete their own in-depth design projects in the fields of:

- architectural or environmental design
- engineering or technological design
- media or technical illustration.

To understand such design processes students will learn to identify needs or opportunities, develop specifications and work on a project from the research stage through to conceptual design. To do this, students will learn further skills in design sketching, mock-ups, 3D rendering and computer-generated images. This work will help build students' critical analysis, design development and testing and evaluating skills, all of which are fundamental to any design-related work.

Negotiate a brief and a solution by applying a design process

AS90734      Level 3      External      5 credits

Plan and produce a presentation to communicate design ideas

AS90735      Level 3      External      4 credits

Develop and communicate a solution to an architectural or environmental design brief

AS90736      Level 3      Internal      5 credits

Develop and communicate a solution to an engineering or technological design brief

AS90737      Level 3      Internal      5 credits

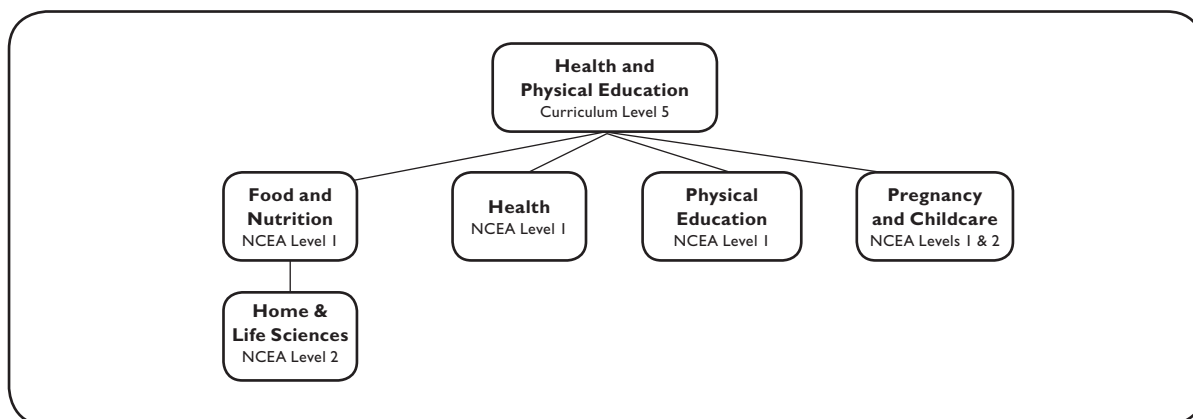
Develop and communicate a solution to a media or technical illustration design brief

AS90738      Level 3      Internal      5 credits

# Health and Physical Education

## Te Hauora Me Te Korikori Tinana

In health and physical education you will consider your well-being, your attitudes and values, and work towards promoting the health of your community. You will have the opportunity to participate in a range of physical activities, consider ways to keep yourself safe in a variety of situations and learn effective ways to communicate to help develop healthy relationships.



### HP000

#### Health and Physical Education

Curriculum Level 5

This course will help you take more responsibility for your well-being. You will set health and physical education goals and study from areas on food and nutrition.

The Health strand (HPI000) offers 22 credits towards NCEA Level 1. There are 4 internal standards worth 17 credits and 1 external standard, worth 5 credits.

Take action to enhance an aspect of personal well-being

HI.1 (a) Level 1 Internal 3 credits

Describe ways in which well-being can change and strategies to support well-being during times of change

HI.3 (a) Level 1 Internal 4 credits

Demonstrate understanding and application of interpersonal skills used to enhance relationships

HI.4 (a) Level 1 Internal 5 credits

Describe strategies for promoting positive sexuality

HI.5 (a) Level 1 Internal 5 credits

Describe strategies for making health-enhancing decisions in drug-related situations

HI.6 (a) Level 1 External 5 credits

The Physical Education strand (HPI000) offers 19 credits towards the National Certificate in Educational Achievement, NCEA Level 1. There are 5 internal standards worth 19 credits and there are no external standards

Take action to enhance an aspect of personal well-being

HI.1 (a) Level 1 Internal 3 credits

### HP1000

#### Health and Physical Education

NCEA Level 1 (course endorsement available)

This course follows on from HP000 with the exploration into goal setting, anatomy and physiology, practical performances, influences upon participation in physical activity, changing states of health, problem solving, understanding sexuality and safety issues around drug use. It also provides you with the opportunity to research and consider contemporary Health and Physical Education issues, and carry out practical investigations surrounding them. As well as being highly relevant, this course is useful, and often essential, for students intending to continue with Level 2 Health & Physical Education courses. This course has been developed with a Health Education focused strand and a Physical Education focused strand, you are able to do either strand or both depending on your interests. Once you have enrolled you will be sent HPI010 'Goal setting'. Once you complete this topic you will need to tell your teacher what strand you want to study so you are sent the appropriate material.

Participate actively in a variety of physical activities and explain factors that influence own participation

PEI.1            Level 1            Internal            3 credits

Describe the function of the body as it relates to the performance of physical activity

PEI.2        (a)    Level 1            Internal            5 credits

Demonstrate quality movement in the performance of a physical activity

PEI.3            Level 1            Internal            5 credits

Demonstrate strategies to improve the performance of a physical activity and describe the outcomes

PEI.6        (a)    Level 1            Internal            3 credits

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## **PCI000**

### **Pregnancy and Childcare**

NCEA Level 1

(course endorsement not available)

This course provides information on pregnancy, positive parenting techniques and early childhood development. It gives students the opportunity to practise food preparation skills, make and investigate the safety of toys and observe child behaviour. Students investigate local facilities and services available.

Describe community services

US526            Level 1            Internal            2 credits

Describe ways in which well-being can change and strategies to support well-being during times of change

I.3            (a)    Level 1            Internal            4 credits

Provide short term care for a child

US6670            Level 2            Internal            4 credits

# Health Science

## Te Pūtaiao Hauora

Health science involves a range of science topics relating to medical, health care and sport science. The human body is an amazing organism and by studying Health Science you will learn some of the basics behind how it works and how to keep your hauoratanga and wellness. Topics include genetics and the science behind inherited diseases and reproduction, digestion, infectious diseases and microorganisms, medical imaging and students get to discuss issues such as the obesity epidemic and stem-cell research.

### HB1000

#### Health Science

NCEA Level 1 (course endorsement available)

This course replaces HB100, Human Biology. This course offers credits from a range of standards from the NCEA Level 1 Science Matrix. The course includes hands-on experimental work, computer-based activities and research investigations as students choose from a range of health-related topics. Students should enrol for this course if they have an interest in health, healthcare and sports science. The same standards are also available in SCI000 which offers a wider choice. Students wishing to continue into health-related careers which require science subjects at NCEA Level 2 and beyond are advised to enrol for SCI000 in addition to HBI000 and to include at least one externally assessed standard from the list below.

Demonstrate understanding of biological ideas relating to genetic variation

SCI.9 (a) Level 1 External 4 credits

Investigate life processes and environmental factors that affect them

SCI.10 Level 1 Internal 4 credits

Investigate interactions between humans and micro-organisms

SCI.11 Level 1 Internal 4 credits

or  
Demonstrate understanding of biological ideas relating to micro-organisms

BI.3 (a) Level 1 External 4 credits

Report on a biological issue

BI.2 (a) Level 1 Internal 3 credits

Demonstrate understanding of biological ideas relating to a mammal as a consumer

BI.5 (a) Level 1 External 3 credits

Demonstrate understanding of the physics of an application

PI.2 (a) Level 1 Internal 2 credits

Demonstrate understanding of aspects of carbon chemistry

CI.3 Level 1 External 4 credits

# History

## Kōrero Nehe

To understand the past is to understand the present, and history gives students an insight into current world problems and an awareness of what it is to be a New Zealander. It explores people and events, and how they have influenced the world both historically and currently. It is not just about presenting the facts, but observing and questioning values and attitudes. Students will gain a wider awareness of the world through historical knowledge, while improving their communication and writing skills to enable them to express clear, convincing and well thought out arguments. From ancient civilisations to pop culture, from wars to peace treaties, history is both a fascinating and intellectually stimulating subject.

### HS1000

#### History

NCEA Level 1 (course endorsement available)

Over the last 100 years the world has undergone rapid and significant change, and this course focuses on significant, and at times horrific, historical events throughout the 20th century. Indeed, the lasting effects of many of these can still be seen, and provide a background for understanding today's international problems. Students will look at the origins of World War II, and ask why lasting peace was unable to be established and what went wrong during the 1930s. Other conflicts investigated include that between Palestine and Israel with a focus on the period 1935–2010, and race relations in apartheid era South Africa. New Zealand's past is also explored through topics on bi-cultural relations between Māori and Pakeha, and the nation's search for security post-World War II. Students will also have the opportunity to undertake their own historical research project on either 'An Enemy of the State' or the 1981 Springbok rugby tour.

Carry out an investigation of an historical event, or place, of significance to New Zealanders

1.1 (a) Level 1 Internal 4 credits

Demonstrate understanding of an historical event, or place, of significance to New Zealanders

1.2 (a) Level 1 Internal 4 credits

Interpret sources of an historical event of significance to New Zealanders

1.3 (a) Level 1 External 4 credits

Demonstrate understanding of different perspectives of people in an historical event of significance to New Zealanders

1.4 (a) Level 1 Internal 4 credits

Describe the causes and consequences of an historical event

1.5 (a) Level 1 External 4 credits

Describe how a significant historical event affected New Zealand society

1.6 (a) Level 1 External 4 credits

### HS200

#### History

NCEA Level 2 (course endorsement available)

This course gives an insight into the people and events that have shaped the modern world in the past 150 years. It was a period of significant change with the rise of nationalism, feminism, fascism and communism being just a few of the influential forces that emerged. Students will look into the origins of World War I, the Russian revolution of 1917 and conflict in Vietnam (1945–1975). The changing roles and opportunities for women in New Zealand from 1880–1960 will also be investigated. This course will help develop historical skills such as recognising and examining evidence and presenting information. Students undertake indepth research work on either the assassination of the Archduke Ferdinand in 1914 or an aspect of the home front in New Zealand during World War II.

Plan and carry out an historical inquiry

AS90465 Level 2 Internal 4 credits

Communicate historical ideas to demonstrate understanding of an historical context

AS90466 Level 2 Internal 4 credits

Examine evidence in historical sources

AS90467 Level 2 External 4 credits

Examine perspectives and responses of, and demonstrate empathy for, people in an historical setting

AS90468 Level 2 Internal 4 credits

Examine how a force or movement in an historical setting influenced people's lives, in an essay

AS90469 Level 2 External 4 credits

Examine individual or group identity in an historical setting, in an essay

AS90470 Level 2 External 4 credits

**HS300****History, England 1558–1667**

NCEA Level 3 and Scholarship

There are two main sections to this course. Firstly students will explore in depth Tudor and Stuart England from 1558 to 1667. It was a period of great upheaval and intrigue, and students will look at important historical figures and events such as Elizabeth I and the early Stuart Kings and the issues they faced, as well as the subsequent Civil War and the experiments with government in the 1650s. By exploring this period students will learn about early modern English society and its economy, the religious changes that occurred and how these remain relevant even today.

The USA and the 'Roaring Twenties' (1920s) is the second area of study. Historically it is seen as a hedonistic time but also the period where the USA began to develop into the world power that it is. Topics which can be chosen for a student's historical research project include the introduction of prohibition, black American jazz music and the women suffrage movement.

Plan and carry out independent historical research

AS90654	Level 3	Internal	4 credits
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Communicate and present historical ideas clearly to show understanding of an historical context

AS90655	Level 3	Internal	5 credits
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Analyse and evaluate evidence in historical sources

AS90656	Level 3	External	5 credits
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Examine a significant decision made by people in history, in an essay

AS90657	Level 3	External	5 credits
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Examine a significant historical situation in the context of change, in an essay

AS90658	Level 3	External	5 credits
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**HS320****History, New Zealand in the 19th Century**

NCEA Level 3 and Scholarship

There are two main sections to this course. Firstly students will explore New Zealand in the 19th century: how Māori and Pakeha interacted, the economic and political changes that occurred and social issues and attitudes that existed. Students will look in detail at some major moments of this country's history from the Treaty of Waitangi to the New Zealand Wars. New Zealand's development from isolation to settler society is also explored.

The USA and the 'Roaring Twenties' (1920s) is the second area of study. Historically it is seen as a hedonistic time but also the period where the USA began to develop into the world power that it is. Topics which can be chosen for a student's historical research project include the introduction of prohibition, black American jazz music and the women suffrage movement.

Plan and carry out independent historical research

AS90654	Level 3	Internal	4 credits
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Communicate and present historical ideas clearly to show understanding of an historical context

AS90655	Level 3	Internal	5 credits
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Analyse and evaluate evidence in historical sources

AS90656	Level 3	External	5 credits
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Examine a significant decision made by people in history, in an essay

AS90657	Level 3	External	5 credits
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Examine a significant historical situation in the context of change, in an essay

AS90658	Level 3	External	5 credits
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# Home Economics

## Te Mātauranga Ohaoha Kāinga

From food to family matters, in home economics students develop an understanding of the factors that influence the well-being of both themselves and others. With a strong focus on food and nutrition, students evaluate current issues and theories of nutrition and use this knowledge to make informed decisions. Through the processes of selecting, preparing, cooking and serving food, students develop their creativity and personal skills crucial to everyday living. Alongside this, issues relating to family and society are also explored and aim to give students the ability and independence to plan and budget for their future.

### HE000

#### Home Economics

Curriculum Level 5

This course provides students with opportunities to focus on nutrition, food safety and to develop skills in general food and meal preparation. Students learn about meal planning: to provide food for different people and different occasions. Students can select areas of interest from topics that include caring, managing conflict, sports nutrition, consumer rights, time and money management. The course aims to broaden and develop students' decision-making skills in practical situations and students can select to do components of the course online.

### HE1000

#### Food and Nutrition

NCEA Level 1

(course endorsement not available)

Students learn how to use basic nutritional knowledge to make food choices that contribute to health and well-being. This course gives you a broader understanding of your own, and others' nutritional demands, and you will have opportunities to create food and meal plans to meet a range of needs. Safe food practices and preparation skills go hand in hand with these topics, and students are encouraged to develop a strong understanding of appropriate food hygiene, packaging and labelling.

Plan, prepare and serve food to meet the nutritional needs of a nominated individual

I.1 Level 1 Internal 5 credits

Describe how influences on an individual's food choices may affect their well-being

I.2 (a) Level 1 Internal 5 credits

Describe how cultural practices influence eating patterns in New Zealand

I.3 (a) Level 1 Internal 5 credits

Demonstrate knowledge of practices and strategies to address food handling issues

I.4 (a) Level 1 Internal 5 credits

Apply knowledge of hygiene and safety in preparation, serving, and storage of food

US15620 Level 1 Internal 6 credits

**HE200****Home and Life Science**

NCEA Level 2

(course endorsement not available)

In this course students identify and reflect on factors that influence people's choices and behaviours. You develop practical life skills in planning and preparing food, budgeting and improving your environment and explore nutrition issues affecting society. You also look into the changing needs of families, and how this affects decision making. Students select particular topics of interest, and have the opportunity to create an item for their own home, as well as gain skills needed to make both personal and family plans and budgets.

**Provide nutritious low cost food for a family**

US6645      Level 2      Internal      6 credits

**Develop a food product**

US6646      Level 2      Internal      5 credits

**Preserve foods for the family**

US6651      Level 2      Internal      6 credits

**Describe the changing social needs of the family and the human resources required to meet them**

US6661      Level 2      Internal      4 credits

**Design and make an item for a living environment**

US6664      Level 2      Internal      6 credits

**Provide short term care for a child**

US6670      Level 2      Internal      4 credits

**Describe implications of independent living, including renting and flatting**

US12354      Level 2      Internal      4 credits

**Apply knowledge of age-related nutrition needs in providing food for a child**

US6632      Level 2      Internal      5 credits

**Provide nutritious food for a vegetarian**

US6644      Level 2      Internal      6 credits

# Horticulture

## Te Mātauranga Ahuone

Horticulture is the science of caring for plants and gardens. For students with 'green fingers', horticulture gives an introduction to the cultivation of plants, plant propagation, soil care, landscaping and much more. It is both a scientific and practical study of plants, soil and the environment. It provides the knowledge and practical skills to successfully grow plants and crops both in the home garden and commercially. Horticulture links in with aspects of other subjects such as science, geography and economics. At NCEA Level 3, horticulture is taught in conjunction with agriculture.

### HT000

#### Introduction to Horticulture

Curriculum Level 5

This course is a basic introduction to horticulture. Students will be encouraged to grow plants to eat and at the same time will develop skills useful for future career opportunities in horticulture. Students will gain knowledge of; the biological make-up of plants, what plants need to survive to produce high yields, the make-up of soil and soil communities, principles of garden design to meet a user's needs, care of the environment for future gardeners and many other topics of interest.

Design a landscape plan that reflects user requirements

I.8 Level 1 Internal 3 credits

Demonstrate knowledge of basic plant propagation

I.9 (a) Level 1 Internal 4 credits

Demonstrate knowledge of horticultural plant management practices

I.1 (a) Level 1 External 5 credits

Modify landscape plans for selected environments

US7075 Level 1 Internal 3 credits

### HT1000

#### Horticulture

NCEA Level 1 (course endorsement available)

This course explores a variety of general horticultural topics including plant propagation and landscaping. Students will have the opportunity to grow their own vegetable plants. There is a focus on the horticultural industry as a whole, and what is involved in producing horticultural products.

Carry out a practical agricultural or horticultural investigation

I.1 (b) Level 1 Internal 4 credits

Demonstrate practical skills used in agricultural or horticultural production

I.2 Level 1 Internal 4 credits

Demonstrate knowledge of soil management practices

I.3 (a) Level 1 External 4 credits

Demonstrate knowledge of the geographic distribution of primary production in New Zealand

I.4 (a) Level 1 Internal 3 credits

Demonstrate knowledge of the impact of primary production management practices on the environment

I.5 (a) Level 1 Internal 3 credits

### HT200

#### Horticulture

NCEA Level 2 (course endorsement available)

This course begins to introduce students to more advanced horticultural concepts. Students will carry out a practical investigation and study a range of horticultural topics including soil, plant propagation and landscaping. During this course you will learn how to describe and analyse the physical, environmental and biological factors related to the topic, and the management practices used. There are some topics that cross over with Agriculture. Students can choose to study topics that are purely Horticultural or a mix of the two.

Carry out a practical agriculture or horticulture investigation with supervision

AS90450 Level 2 Internal 4 credits

Describe physical factors of the environment and techniques used to modify them for plant production

AS90451 Level 2 External 4 credits

Describe how techniques used to modify soil water content optimise primary production

AS90452 Level 2 External 4 credits

Describe modification of livestock reproduction or plant propagation to improve productivity

AS90453 Level 2 External 4 credits

Describe manipulations to influence growth and development, and productivity, in livestock or plants

AS90454 Level 2 External 4 credits

Describe and redesign landscaped sites

AS90456 Level 2 Internal 4 credits

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## **AG300**

### **Agriculture and Horticulture**

NCEA Level 3 (course endorsement available)

Combined with horticulture, this course will appeal to anyone with an interest in how primary products are marketed and manipulated to maximise profits. Based on the production process, students are given an insight into New Zealand's agricultural exports, with a particular focus on lamb, potatoes and tomatoes. There are two research projects on a local primary product of your choice, and the course links well with biology, geography and economics.

Research the production of a marketable, locally produced primary product

AS90649 Level 3 Internal 6 credits

Investigate production and marketing of a nationally significant primary product

AS90650 Level 3 Internal 4 credits

Explain how market forces affect supply and demand of primary products

AS90651 Level 3 External 4 credits

Explain market requirements and the production process for a nationally significant primary product

AS90652 Level 3 External 6 credits

Analyse a primary production environmental issue

AS90653 Level 3 External 4 credits

# Japanese

## Te Reo Hapanihi

Learning Japanese gives you not only the chance to communicate in a language very different from your own, but provides an opportunity to gain an appreciation of a fascinating culture. Along with speaking and listening skills, reading and using the unique kanji writing system can be a rewarding and enjoyable experience. In turn, you will find knowledge of Japanese very helpful if you are planning on travelling to Japan or hosting Japanese visitors.

### JP000

#### Beginners Japanese

Curriculum Levels 1–5

In this introductory course you will learn how to greet people and introduce yourself, talk about where you live and work, and where you are going. You will also gain the ability to count and tell the time in Japanese, as well as expressing likes and dislikes and being able to communicate while shopping. You will develop your listening, reading and speaking skills, have the chance to learn to read and write hiragana script and discover more about Japanese culture.

In the second part of the course, through the theme of 12 Japanese festivals, you will revise and extend your reading, writing, listening and speaking skills. You will also learn to read and write katakana. However, you need to know hiragana before doing this course. Topics covered include talking about yourself, your home and family, the weather and sports. Important skills such as asking for directions, ordering food and making apologies are also covered.

### JP1000

#### Japanese

NCEA Level 1 (course endorsement available)

You will extend your reading, writing, listening and speaking skills through the experiences of a New Zealand student on a home stay in Japan. Within this theme, you will cover aspects of daily life such as family relationships, travel preparations, hobbies and sports. Other topics include houses and furnishings, senior high school life and travelling by bullet train. Overall, there are approximately 60 kanji characters to learn.

Demonstrate understanding of a variety of spoken Japanese texts relating to areas of most immediate relevance

1.1                      Level 1                      External                      5 credits

Give a spoken presentation in Japanese that communicates a personal response

1.2                      Level 1                      Internal                      4 credits

Demonstrate understanding of a variety of written/visual Japanese texts relating to areas of most immediate relevance

1.4                      Level 1                      External                      5 credits

Write a variety of text types in Japanese on area of most immediate relevance

1.5                      Level 1                      Internal                      5 credits

### JP220

#### Japanese

NCEA Level 2 (course endorsement available)

This covers 78 kanji characters and further extends the ability to read, write, speak and listen in Japanese.

Topics covered include:

- Japanese school system
- land and people
- leisure
- Japan at work
- family life, travel and tourism
- eating and drinking.

Listen to and understand spoken language in Japanese in less familiar contexts

AS90484                      Level 2                      External                      6 credits

Give a prepared spoken presentation in Japanese on a less familiar topic

AS90485                      Level 2                      Internal                      3 credits

Converse in Japanese in a less familiar context

AS90486                      Level 2                      Internal                      3 credits

Read and understand written language in Japanese in less familiar contexts

AS90487                      Level 2                      External                      6 credits

Write text in Japanese on a less familiar topic

AS90488                      Level 2                      External                      3 credits

Produce crafted writing in Japanese on a less familiar topic, with the support of resources

AS90489                      Level 2                      Internal                      3 credits

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**JP320****Japanese**

NCEA Level 3 and Scholarship  
(course endorsement available)

This covers 73 new kanji characters and further extends the ability to read, write, speak and listen in Japanese.

Topics covered include:

- Japan at work
- leisure, family
- travel and tourism
- land and people
- communication and the media.

Listen to and understand complex spoken Japanese in less familiar contexts

AS90570      Level 3      External      6 credits

Give a prepared speech in Japanese using complex language

AS90571      Level 3      Internal      3 credits

Converse in Japanese using complex language in less familiar contexts

AS90572      Level 3      Internal      3 credits

Read and understand written Japanese, containing complex language, in less familiar contexts

AS90573      Level 3      External      6 credits

Write text in Japanese using complex language on a less familiar topic

AS90574      Level 3      External      3 credits

Write crafted text in Japanese, using complex language, with the support of resources

AS90575      Level 3      Internal      3 credits

# Latin

## Te Reo Rōma Onamata

Latin will provide you with a knowledge and understanding of Roman civilisation and its contribution to the western world. You will gain insights into the nature of this language, which provides the basis for the study of many other foreign languages. Importantly Latin will also help you understand the structure of English and extend your English vocabulary. Please note that Latin is only offered to NCEA Level I at Te Kura.

### LA000

#### Beginners Latin

Curriculum Levels 1–5

This is an introduction to the basics of the Latin language, and the life and history of the Romans in Pompeii, Britain and Alexandria. You will learn elementary grammar and develop Latin to English translation skills through pronunciation and reading practice.

You will continue to explore the life and history of the Romans in both Britain and in Rome, you will further develop both your grammar and Latin to English translation skills.

### LAI00

#### Latin

NCEA Level I (course endorsement available)

An NCEA Level I course that further extends the skills and knowledge gained in the introductory levels. Over the course you will translate elementary Latin prose into English, and build an understanding and comprehension of other Latin literature. Aspects of Roman civilization are also studied, with a focus on their contribution to Western society.

Translate adapted Latin text into English, demonstrating understanding

I.1 (a) Level I External 6 credits

Demonstrate understanding of adapted Latin text

I.2 (a) Level I External 5 credits

Demonstrate understanding of studied Latin literary text(s)

I.3 (a) Level I Internal 6 credits

Present a Roman viewpoint

I.4 (a) Level I Internal 4 credits

Demonstrate understanding of Latin in current use

I.5 (a) Level I Internal 3 credits

Write short Latin sentences that demonstrate understanding of Latin

I.6 Level I Internal 3 credits

# Legal Studies

## Te Akoranga Taha Ture

Legal studies covers a broad range of topics and aims to provide an understanding of the role of law in society and the basic processes and principles of the New Zealand legal system. Legal studies explores and evaluates the ability of the legal system to provide just outcomes for all individuals and groups, giving students a better understanding of their rights and responsibilities. Students will develop an appreciation of how the legal system impacts on their lives and how they can influence and change it. This subject can lead to a range of possible careers including the legal profession, business, government service or agencies.

### LG100

#### Legal Studies

NCEA Level 1

(course endorsement not available)

This short course offers two NCEA Level 1 legal studies unit standards. This course will enable students to identify employment rights and responsibilities, which are valuable skills for any workplace. They will also be introduced to various sources of legal assistance, and how to access it.

Identify and describe basic employment rights and responsibilities, and sources of information and assistance

US1978      Level 1      Internal      3 credits

Demonstrate knowledge of accessing legal assistance

US8548      Level 1      Internal      2 credits

### LG200

#### Legal Studies

NCEA Level 2

(course endorsement not available)

This legal studies course enables students to develop an understanding of the role of law and its relationship to society, with a particular focus on New Zealand and its judicial system. Students will explore topics such as youth justice, consumer law, family law and employment law. They also study the factors and consequences of crime, how legal assistance works and legal avenues for settling disputes.

Demonstrate knowledge of accessing legal assistance

US8548      Level 1      Internal      2 credits

Describe the employment relationship, and the application of employment law to that relationship

US1979      Level 2      Internal      3 credits

Describe the role of law and its relationship with New Zealand society

US8543      Level 2      Internal      2 credits

Describe how laws are made and changed in New Zealand

US8544      Level 2      Internal      4 credits

Describe factors contributing to, and consequences of, crime

US8545      Level 2      Internal      3 credits

Describe the New Zealand judicial system

US8546      Level 2      Internal      2 credits

Describe the role, and operation of the Youth Justice System

US8547      Level 2      Internal      3 credits

Describe the application of New Zealand law to marriage, civil union, and de-facto relationships

US8551      Level 2      Internal      3 credits

Describe legal consequences and protections relating to domestic violence and child abuse

US8552      Level 2      Internal      2 credits

Demonstrate a Disputes Tribunal presentation  
US8553      Level 2      Internal      2 credits

Describe elements and remedies for breach of a contract  
US8554      Level 2      Internal      2 credits

Describe the objectives and application of consumer law  
US8555      Level 2      Internal      3 credits

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**LG300****Legal Studies**

NCEA Level 3  
(course endorsement not available)

Students are able to develop an understanding of the balance between state power and individual rights in New Zealand. The process of law reform is explored and there is an opportunity to evaluate the effectiveness of law reform. Students at this level will be able to examine the development of the legal system in New Zealand and also to compare that system with those in other countries. Other major topics include criminal and civil court processes and the New Zealand jury system.

Describe and evaluate the legal relationship between the state and the individual  
US10341      Level 3      Internal      4 credits

Describe and evaluate a law reform  
US10344      Level 3      Internal      3 credits

Compare legal systems and their ability to accommodate differences  
US10345      Level 3      Internal      3 credits

Demonstrate knowledge of the development of the New Zealand legal system  
US10347      Level 3      Internal      5 credits

Describe and evaluate criminal and civil court processes, and systems of justice  
US10349      Level 3      Internal      4 credits

# Marine Biology and Environmental Science

## Te Koiora a Tangaroa me te Pūtaiao

If you live in New Zealand then you live in a beautiful country with a wide variety of unique ecosystems. Environmental science studies the balance of nature on the land and marine biology considers the seas. The global issues which affect the living things on our planet, such as climate change, are also important. Whether you are interested in a career as an environmental scientist or a tour guide, or whether you are concerned about sustainable hunting and fishing or kaitiakitanga, this subject is of great interest.

### **MB1000**

#### **Science**

NCEA Level 1 (course endorsement available)

This course offers credits from a range of standards from the NCEA Level 1 Science Matrix. The course includes hands-on experimental work, computer-based activities and research investigations as students choose from a range of environmentally-related topics. The same standards are also available in SCI000 which offers a wider choice of standards. Students wishing to continue into environmentally-related careers which require science subjects at NCEA Level 2 and beyond are advised to enrol for SCI000 in addition to HBI000 and to include at least one externally assessed standard from the list below. Within the NCEA Level 1 Science Matrix students may opt to study topics relating to Marine Biology and Environmental Science.

Investigate the biological impact of an event on a New Zealand ecosystem.

SCI.12      Level 1      Internal      4 credits

Carry out a practical investigation in a biology context

BI.1      (b)      Level 1      Internal      4 credits

Report on a biological issue

BI.2      (a)      Level 1      Internal      3 credits

Demonstrate understanding of carbon cycling

SCI.14      (a)      Level 1      Internal      4 credits

Demonstrate understanding of biological ideas relating to the life cycle of flowering plants

BI.4      (a)      Level 1      External      4 credits

Investigate life processes and environmental factors that affect them

SCI.10      Level 1      Internal      4 credits

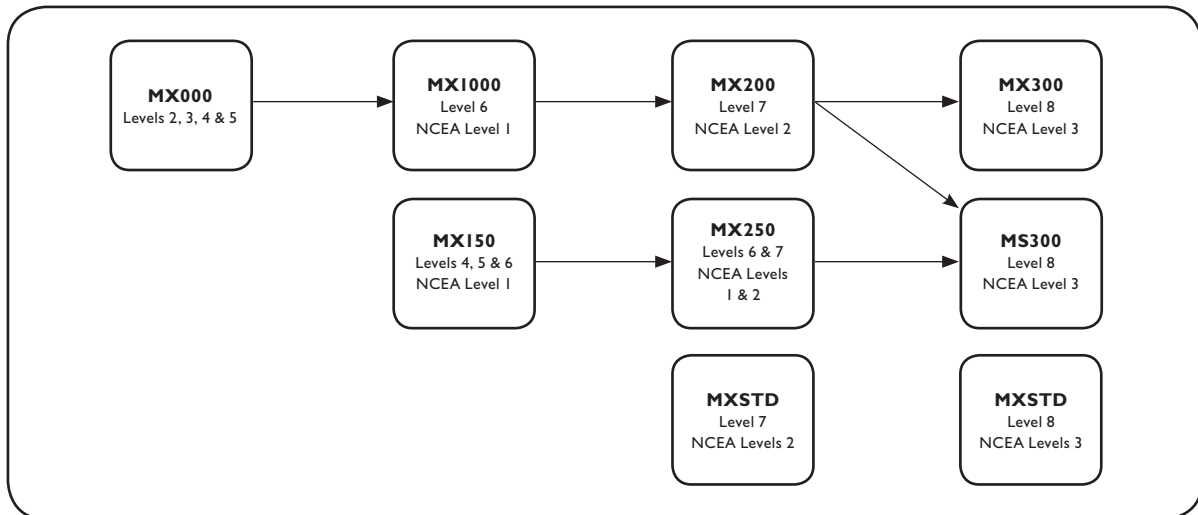
Demonstrate understanding of biological ideas relating to genetic variation

SCI.9      (a)      Level 1      External      4 credits

# Mathematics

## Te Mātauranga Pāngarau

Mathematics is more than just numbers, it is the exploration and use of patterns and relationships in quantities, space, and time. Statistics is the exploration and use of patterns and relationships in data. Both disciplines equip you with effective means for investigating, interpreting, and making sense of the world. It provides powerful communication and problem solving tools, by using symbols, graphs, and diagrams to investigate these patterns and relationships, creating models to represent real-life and hypothetical situations, as well as reflecting a range of social, cultural, scientific, technological, health, environmental, and economic contexts. Mathematics develops an ability to think creatively, critically, strategically, and logically. You learn to structure, to organise and to process and communicate information. By studying mathematics and statistics, you will learn to create models and to predict outcomes, to conjecture, to justify and verify.



### MX000

#### Mathematics

Curriculum Levels 2–5

This course gives students a strong basis in the fundamentals of mathematics and its processes. It is designed to cover all areas of the subject from algebra to statistics. Students will also encounter mathematical concepts of statistics and probability, geometry and measurement and number and algebra and are required to apply these to practical problems. The course is designed to build greater confidence in the development and application of basic mathematical skills.

Areas of study include:

- number and measurement
- measuring angles and distances, area and volume
- weight, mass, capacity, time and temperature
- recognising and exploring patterns, rules, equations and shapes
- nets and scale maps
- statistics and probability
- using the calculator
- locating position
- trigonometry
- transformation geometry.

### MX150

#### General Mathematics

NCEA Level 1

(course endorsement not available)

This course is operating as a transition to the new course MX1000. Students enrolling in this course will be on a case by case basis with consultation with the Senior Teachers or Curriculum Leader. This course is only available for students enrolling in 2011 who will not be able to cope with the new MX1000 course and new NZQA achievement standards. Students will develop a strong basis in the fundamentals of mathematics and its processes as they progress in this course. It is designed to cover all areas of the mathematics and statistics curriculum from algebra to statistics and curriculum level 4, 5 and 6. Students will encounter mathematical concepts in statistics, measurement and numbers, and are required to apply these to practical problems.

**Use mathematics in the design of a given object or process**

US12322 (f) Level I Internal 2 credits

**Use formulae and equations to solve problems**

US5223 (f) Level I Internal 2 credits

**Use decimals and percentages to solve problems**

US5224 (f) Level I Internal 2 credits

**Use fractions, ratio, and proportion to solve problems**

US5225 (f) Level I Internal 2 credits

**Construct and use tables and graphs**

US5226 (f) Level I Internal 2 credits

**Solve problems involving money**

US5227 (f) Level I Internal 3 credits

**Take measurements and use calculations to solve measurement problems**

US5228 (f) Level I Internal 3 credits

**Carry out a statistical investigation and interpret data**

US5230 (f) Level I Internal 3 credits

**Use constructions and make drawings for geometrical situations**

US5231 (f) Level I Internal 2 credits

**Determine probabilities in practical situations**

US5232 (f) Level I Internal 2 credits

**Solve problems which require calculation with whole numbers**

US8489 (f) Level I Internal 2 credits

**Solve problems using calculations with numbers expressed in different forms**

US8490 (f) Level I Internal 2 credits

**Read and interpret information presented in tables and graphs**

US8491 (f) Level I Internal 2 credits

**Solve problems involving measurement of everyday objects**

AS90149 (f) Level I internal 3 credits

**Use geometric techniques to produce a pattern or object**

AS90150 (f) Level I Internal 2 credits

**Use statistical methods and information**

AS90193 (f) Level I Internal 3 credits

**Determine probabilities in practical situations**

US5232 (f) level I Internal 2 credits

**Use calculations in money situations**

US5234 f (f) Level I Internal 3 credits

**Use strategies to solve number problems**

US5235 (f) Level I Internal 2 credits

**Use Pythagoras' Theorem and trigonometry to find unknowns in right-angled triangles**

US5236 (f) Level I Internal 2 credits

**Draw and describe graphs involving two variables**

US5238 (f) Level I Internal 4 credits

**Describe patterns and solve problems and equations**

US5239 (f) Level I Internal 3 credits

**Explore data and evaluate reports**

US5240 (f) Level I Internal 3 credits

**Determine probabilities**

US5242 (f) Level I Internal 2 credits

**Derive angle properties of circles and use them to solve mathematical problems**

US7552 (f) level I Internal 3 credits

**Demonstrate knowledge of the mathematics of geometry patterns**

US7559 (f) Level I Internal 2 credits

**Carry out and report on a given statistical investigation**

US7565 (f) Level I Internal 2 credits

**Use formulae to solve problems and describe rates from graphs**

US7568 (f) Level I Internal 2 credits

**Use simulation techniques to determine probability and solve problems**

US7571 (f) Level I internal 2 credits

**Demonstrate basic algebra skills**

US20659 (f) Level I Internal 2 credits

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**MX1000****Mathematics**

NCEA Level 1 (course endorsement available)

An NCEA Level 1 course, covering all major areas of mathematics and statistics at curriculum level 6. Students will learn skills needed for mathematical processes with a focus on number, algebra, geometry, measurement, probability and statistics.

Apply numeric reasoning in solving problems

1.1 (b) Level 1 Internal 4 credits

Apply algebraic procedures in solving problems

1.2 (b) Level 1 External 4 credits

Investigate relationships between tables, equations or graphs

1.3 (b) Level 1 External 4 credits

Apply linear algebra in solving problems

1.4 (b) Level 1 Internal 3 credits

Apply measurement in solving problems

1.5 (b) Level 1 Internal 3 credits

Apply geometric reasoning in solving problems

1.6 (b) Level 1 External 4 credits

Apply right angled triangles in solving measurement problems

1.7 (b) Level 1 Internal 3 credits

Apply knowledge of geometric representations in solving problems

1.8 (b) Level 1 Internal 3 credits

Apply transformation geometry in solving problems

1.9 (b) Level 1 Internal 2 credits

Investigate a given multivariate data set using the statistical enquiry cycle

1.10 (a/b) Level 1 Internal 4 credits

Investigate a given multivariate data set using the statistical enquiry cycle

1.11 (a/b) Level 1 Internal 3 credits

Demonstrate understanding of chance and data

1.12 (b) Level 1 External 4 credits

Investigate a situation involving elements of chance

1.13 (a/b) Level 1 Internal 3 credits

Use number to solve problems

US26623 (d) Level 1 Internal 4 credits

Use measurement to solve problems

US26627 (d) Level 1 Internal 3 credits

Interpret statistical information for a purpose

US26626 (d) Level 1 Internal 3 credits

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**MX250****Applied Mathematics**

NCEA Level 2

(course endorsement not available)

An intermediary course, featuring unit standards for both NCEA Levels 1 and 2, that aims to consolidate students' basic mathematical knowledge. There is a particular focus on number, statistics, geometry, and measurement and aims to build on the application of this knowledge. Other topics considered include graphing and algebra, while also improving students' statistical and probability skills. A course for students wishing to gain some NCEA Level 2 credits and increase their understanding of mathematics and statistics.

Use surveying techniques and mathematics to solve problems relating to maps or plans

US12318 (f) Level 2 Internal 3 credits

Apply mathematics in the design of an object or process for a given purpose

US12323 (f) Level 2 Internal 3 credits

Investigate and report on the mathematics of a given project

US12331 (f) Level 2 Internal 3 credits

Demonstrate knowledge of measures and displays used to compare data sets

US12332 (f) Level 2 Internal 2 credits

Write a short report

US3492 Level 2 Internal 3 credits

Use networks to find optimal solutions to problems in geometry

US5249 (f) Level 2 Internal 2 credits

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**MX200****Mathematics**

NCEA Level 2 (course endorsement available)

This course continues to build and extend on students' knowledge of mathematics and statistics with a focus on geometry, graphing, algebra and trigonometry. It is a full NCEA Level 2 course that features more in-depth study and aims to intellectually challenge students' mathematical thinking both critically and logically. In turn it also includes an introduction to calculus and problem solving.

Manipulate algebraic expressions and solve equations

AS90284 (f) Level 2 External 4 credits

Draw straightforward non-linear graphs

AS90285 (f) Level 2 External 3 credits

Find and use straightforward derivatives and integrals

AS90286 (f) Level 2 External 4 credits

Use coordinate geometry methods

AS90287 (f) Level 2 External 2 credits

Select a sample and use this to make an inference about the population

AS90288 (f) Level 2 Internal 3 credits

Simulate probability situations, and apply the normal distribution

AS90289 (f) Level 2 Internal 2 credits

Solve straightforward problems involving arithmetic and geometric sequences

AS90290 (f) Level 2 External 2 credits

Solve trigonometry problems requiring modelling of practical situations

AS90291 (f) Level 2 Internal 2 credits

Solve straightforward trigonometric equations

AS90292 (f) Level 2 External 2 credits

Write a short report

US3492 Level 2 Internal 3 credits

Demonstrate calculus skills

US5244 (f) Level 2 Internal 2 credits

Solve coordinate geometry problems

US5245 (f) Level 2 Internal 2 credits

Manipulate algebraic expressions and use algebraic methods to solve problems

US5246 (f) Level 2 Internal 4 credits

Use sequences and series to solve problems

US5248 (f) Level 2 Internal 2 credits

Use networks to find optimal solutions to problems in geometry

US5249 (f) Level 2 Internal 2 credits

Choose and apply trigonometric methods to solve problems involving lengths and angles

US5251 (f) Level 2 Internal 3 credits

Sketch and describe graphs

US5253 (f) Level 2 Internal 3 credits

Use formulae to solve problems and describe rates from graphs

US7568 (f) Level 1 Internal 2 credits

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**MXSTD****Mathematics for Specific Standards**

NCEA Levels 2 & 3

If you wish to study mathematics and statistics for a particular purpose, this course allows students to select specific standards from NCEA Level 2 and 3. This course is for you, if you need to gain certain internally assessed standards towards NCEA Level 2 and 3. Please refer to other mathematics courses for details on individual standards, or contact the Curriculum Leader: Mathematics.

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**MX300****Calculus**

NCEA Level 3 (course endorsement available)

This course is designed to prepare the student for the study of mathematics, pure and applied sciences or engineering at a tertiary level. The focus of this NCEA Level 3 Mathematics course is on calculus, with students encountering algebra and trigonometry topics, as well as the manipulation of real and complex numbers and geometry and conic sections.

Differentiate functions and use derivatives to solve problems

AS90635 (f) Level 3 External 6 credits

Integrate functions and use integrals to solve problems

AS90636 (f) Level 3 External 6 credits

Solve problems and equations involving trigonometric functions

AS90637 (f) Level 3 Internal 4 credits

Manipulate real and complex numbers, and solve equations

AS90638 (f) Level 3 External 5 credits

Sketch graphs of conic sections and write equations related to conic sections

AS90639 (f) Level 3 External 3 credits

Use integral calculus to solve differential equation problems

US20660 (f) Level 3 Internal 2 credits

Sketch, describe and find equations of graphs

US20661 (f) Level 3 Internal 2 credits

Integrate functions and use integration to solve problems

US20905 (f) Level 3 Internal 5 credits

Use sequences and series to solve problems in real and simulated situations

US5256 (f) Level 3 Internal 4 credits

Differentiate functions and use differentiation to solve problems

US5265 (f) Level 3 Internal 6 credits

Use complex numbers to solve problems

US5267 (f) Level 3 Internal 3 credits

Manipulate trigonometric expressions, sketch graphs of trigonometric functions, and solve equations

US5268 (f) Level 3 Internal 4 credits

Apply mathematics to conic sections and other curves

US5269 (f) Level 4 Internal 4 credits

Determine the trend for time series data

AS90641 (f) Level 3 Internal 3 credits

Calculate confidence intervals for population parameters

AS90642 (f) Level 3 External 3 credits

Solve straightforward problems involving probability

AS90643 (f) Level 3 External 4 credits

Solve equations

AS90644 (f) Level 3 External 4 credits

Select and analyse continuous bi-variate data

AS90645 (f) Level 3 Internal 3 credits

Use probability distribution models to solve straightforward problems

AS90646 (f) Level 3 External 4 credits

Use a mathematical model involving curve fitting to solve a problem

AS90647 (f) Level 3 Internal 3 credits

Use expected values to solve problems

US5258 (f) Level 3 Internal 2 credits

Use probability models to solve problems

US5259 (f) Level 3 Internal 3 credits

Use linear systems to solve problems

US5262 (f) Level 3 Internal 2 credits

Use numerical methods to solve problems

US5264 (f) Level 3 Internal 3 credits

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## MS300

### Statistics and Modelling

NCEA Level 3 (course endorsement available)

Students interested in the collection, analysis and interpretation of quantitative data will find this course useful. With a focus on statistics and modelling, it explores probability, sampling and confidence intervals and involves analysis of time series. There is some algebraic content, including exponential and power function modelling and linear programming. As a full NCEA Level 3 course, it is appropriate as a foundation in statistical exploration to support almost any area of study at tertiary level, especially the biological sciences, social sciences or commerce. Access to a spreadsheet such as excel, graphic or CAS calculator is essential.

# Media Studies

## Akoranga Pāpāho

Media studies is about the active exploration, analysis, creation, and enjoyment of the media and its products. Media studies examines the dynamic role of the media in society, how the media constructs messages about individuals, communities, and cultures and how media products are produced, controlled and distributed. Through media studies students gain the knowledge and skills to conceive, plan, and design media products. Students explore how the media operates within social contexts and how they themselves can understand the place of media in society. These societal contexts can include historical, economic, social, cultural, and political perspectives. Students study, and apply, media language and media texts. The analysis of the content of media texts, using appropriate media terminology, gives students the ability to understand how meanings are created in texts. Students look at groups of texts (genre), structures of texts (narrative), and they learn the skills of close reading so they can respond to the products of others and well as their own. Students learn to make media products that can entertain, inform, and challenge. They explore, develop, and communicate ideas through the development of their skills in the use of media technology. In the process, they use language, symbols, and structures to create meaning. In reflecting on their own and others' products, students develop their production skills.

### MD9000

#### Media Studies

NCEA Levels 1, 2 & 3

(course endorsement available)

This course is an online course. Students must have access to the Internet and their own email address. Media Studies looks at all aspects of the media including: film, television, radio, print, social networking and the web. Students will work closely with their teacher to work out an appropriate programme based on their strengths, interests and literacy.

Demonstrate understanding of how individuals interact with the media

I.1 (a/b) Level 1 Internal 3 credits

Demonstrate understanding of selected elements of media text(s)

I.2 (a) Level 1 Internal 3 credits

Demonstrate understanding of the media coverage of a current issue or event

I.3 (a) Level 1 External 4 credits

Demonstrate understanding of characteristics of a media genre

I.4 (a) Level 1 External 4 credits

Produce a design and plan for a media product using a specified range of conventions

I.5 Level 1 Internal 3 credits

Complete a media product using a specified range of convention, from a design and plan

I.6 Level 1 Internal 6 credits

Write media texts for a specific target audience

I.8 (a) Level 1 Internal 3 credits

Demonstrate knowledge of current events for journalism

US10818 Level 2 Internal 4 credits

Write short news stories

US10820 Level 2 Internal 4 credits

Provide photos for news stories and features

US10822 Level 2 Internal 3 credits

Describe the relationship between a media product and its target audience

AS90276 Level 2 External 3 credits

Close read unfamiliar text

AS90277 Level 2 Internal 3 credits

Demonstrate understanding of representation within the media

AS90278 Level 2 External 3 credits

Demonstrate understanding of a media genre

AS90279 Level 2 External 3 credits

Explain how meaning is created in media texts

AS90600 Level 3 Internal 4 credits

Explain the relationship between a media genre and society.

AS90602 Level 3 External 4 credits

Complete and justify a concept and treatment for a media product

AS90604 Level 3 Internal 2 credits

Create a media product using appropriate media technology

AS90606 Level 3 Internal 6 credits

Design and produce a media product and evaluate the process used to create the product

AS90765 Level 2 Internal 6 credits

Investigate an aspect of media and explain its significance for New Zealand

AS90779 Level 3 Internal 4 credits

# Music

## Te Mātauranga Pūoru

From classical operas to pop hits, the study of music can enhance your own personal music tastes. With so many diverse styles of music, there are endless options to explore and students will have the opportunity to discover a wide variety of music. In turn, music is a fundamental aspect of any culture, a greater understanding of it can provide a unique insight into a society. Along with cultural knowledge, students have the chance to develop their own practical music skills, which can further enhance not only their creative and critical abilities but the enjoyment that comes from listening to music.

### MC000

#### General Music

Curriculum Levels 3, 4 & 5

A general introduction to music, which investigates a wide range of different styles and types of music. Students are encouraged to take instrumental or vocal lessons. You are able to choose to study a range of musical styles from classical through to rap, medieval music and heavy metal. Students intending to do Music at NCEA Levels can also develop appropriate aural, transcription and notation skills through this course.

### MP1000

#### Music

NCEA Level 1 (course endorsement available)

This course builds skills in solo and group performance on an instrument or with voice. It also provides study of composition, music knowledge, aural perception and score reading. All students need their own instrument. Course learning is supplemented by web-based material so internet access is preferable.

Perform two pieces of music as a featured soloist

1.1 Level 1 Internal 6 credits

Demonstrate ensemble skills through performing a piece of music as a member of a group

1.2 Level 1 Internal 4 credits

Compose two original pieces of music

1.3 Level 1 Internal 6 credits

Demonstrate notation skills through transcription

1.4 Level 1 External 4 credits

Demonstrate knowledge of conventions used in music scores

1.5 (a) Level 1 External 4 credits

Demonstrate knowledge of two music works from contrasting contexts

1.6 (a) Level 1 Internal 6 credits

### MP200

#### Music

NCEA Level 2 (course endorsement available)

This course continues to build skills in solo and group performance on an instrument or with voice. It also provides further study of composition, music knowledge, aural perception and score reading. All students need their own instrument. Course learning is supplemented by web-based material so internet access is preferable.

Present contrasting performances as a featured soloist

AS90264 Level 2 Internal 5 credits

Present a music performance as a member of a group

AS90265 Level 2 Internal 2 credits

Compose effective pieces of music

AS90266 Level 2 Internal 5 credits

Create an instrumentation

AS90267 Level 2 Internal 2 credits

Identify, describe and transcribe elements of music through listening to a range of music

AS90268 Level 2 External 3 credits

Demonstrate an understanding of the materials and processes of music in a range of scores

AS90269 Level 2 External 2 credits

Demonstrate knowledge and understanding of music works

AS90270 Level 2 Internal 5 credits

Demonstrate music performance skills before an audience by three pieces on a second instrument

US16550 Level 2 Internal 8 credits

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**MP300****Music**

NCEA Level 3 (course endorsement available)

This course focuses on extending practical music-making including composition and arranging, as well as providing topics to extend aural, musical literacy and music research skills. Course learning is supplemented by web-based material so internet access is preferable.

Examine the contexts that influence the expressive qualities of music

AS90497      Level 3      Internal      3 credits

Compare and contrast music works

AS90498      Level 3      External      8 credits

Research and present a music topic

AS90499      Level 3      Internal      6 credits

Arrange music

AS90527      Level 3      Internal      4 credits

Demonstrate an understanding of harmonic and tonal procedures in a range of music

AS90530      Level 3      External      3 credits

Present a performance of a programme of music as a member of a group

AS90526      Level 3      Internal      4 credits

Present a portfolio of musical composition

AS90775      Level 3      Internal      8 credits

Prepare and present performances of music as a featured soloist

AS90776      Level 3      Internal      8 credits

Demonstrate aural skill across a range of musical styles and genres

AS90777      Level 3      External      4 credits

Demonstrate music performance skills before an audience by extended pieces on a second instrument

US16551      Level 3      Internal      8 credits

# Pathways Education

## Te Mātauranga Rapuara

Pathways Education provides learning opportunities to develop personal skills and knowledge to assist in transition between school and work; preparation for further education; moving into paid employment or working in the voluntary sector.

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### **PW9000**

#### **PW9001 Develop Own Learning**

NCEA Level 2

This module will develop your understanding and awareness of how you learn.

Produce a plan to enhance own learning

US7117      Level 2      Internal      2 credits

Obtain job search skills

US4253      Level 2      Internal      3 credits

Produce a plan for own future

US10781      Level 2      Internal      3 credits

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### **PW9000**

#### **PW9002 Community Engagement**

NCEA Level 2

This module will develop understanding and awareness of community organizations and available support.

Identify support services and resources within the community

US1827      Level 2      Internal      2 credits

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### **PW9000**

#### **PW9003 Employment skills**

NCEA Levels 1 & 2

This module will develop understanding and skills of the employment environment.

Demonstrate care and timeliness as an employee

US4249      Level 1      Internal      4 credits

Demonstrate knowledge of workplace health and safety requirements

US497      Level 1      Internal      3 credits

Complete a work experience placement

US10780      Level 1      Internal      2 credits

Produce a CV (curriculum vitae)

US504      Level 1      Internal      2 credits

Produce a targeted resume

US4252      Level 2      Internal      2 credits

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### **PW9000**

#### **PW9004 Personal skills**

NCEA Levels 1 & 2

This module will develop understanding and awareness of a range of personal skills.

Apply a problem solving method to a problem

US7123      Level 2      Internal      2 credits

Participate and communicate in a team or group to complete a routine task

US3503      Level 1      Internal      2 credits

Be interviewed in an informal one-to-one, face-to-face interview

US1293      Level 1      Internal      2 credits

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### **PW9000**

#### **PW9005 Rights and responsibilities**

NCEA Level 1

This module will develop understanding and awareness of your basic rights and responsibilities

Describe discrimination under the Human Rights Act 1993 and describe ways of responding to it

US542      Level 1      Internal      2 credits

Identify and describe basic employment rights and responsibilities, and sources of information and assistance

US1978      Level 1      Internal      3 credits

Demonstrate knowledge of accessing legal assistance

US8548      Level 1      Internal      2 credits

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### **PW9000**

#### **PW9006 Financial health and wellbeing**

Curriculum Levels 4 & 5

NCEA levels 1 & 2

This module will develop understanding and skills for personal financial literacy

Produce a balanced budget for an individual

US24709      Level 1      Internal      3 credits

**Perform income-related calculations for personal financial management**

US24697      Level 1      Internal      1 credits

**Fill in a form**

US3483      Level 1      Internal      2 credits

**Interpret and verify accuracy of personal financial documents**

US24705      Level 1      Internal      2 credits

**Make an informed decision relating to personal income and evaluate its consequences**

US24699      Level 2      Internal      2 credits

**Introduction to managing your money**

NA      NZC Levels 4 & 5      Internal      NA

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**PW9000**

**PW9007 Personal health and wellbeing**

NCEA Levels 1 & 2

This module will develop understanding and skills for personal health and wellbeing.

**Manage personal wellness**

US496      Level 1      Internal      3 credits

**Assertiveness**

US1299      Level 2      Internal      4 credits

**Demonstrate knowledge of and apply listening techniques**

US3501      Level 1      Internal      3 credits

# Physics

## Te Mātauranga Ahupūngao

Physics offers an insight into the fundamental ways the world works scientifically and its relationship with technology. Essentially it is the study of the matter and energy that makes up the physical world. This includes topics such as light, sound, heat, movement, forces, atomic physics as well as electricity and magnetism. Students will encounter many key scientific ideas and concepts that support study in other science subjects and related areas such as engineering and health science.

### PH1000

#### Physics

NCEA Level 1 (course endorsements available)

This is an introductory course into the study of physics, which features the main themes of NCEA physics: mechanics, heat, electromagnetism, waves and nuclear physics. Over the duration of the course students will get the opportunity to carry out a practical physical investigation and complete a research project as well as gain an understanding of the basic concepts in physics. Students should enrol for this course if they wish to study physics at Level 2. Similar standards are also available in SCI1000 which offers a wider choice of standards. Students may enrol in some PH1000 standards and some SCI1000 standards but your selection must include at least one externally assessed standard from the list below.

Demonstrate understanding of aspects of mechanics  
SCI.1 (b) Level 1 External 4 credits

Investigate the implication of electricity and magnetism in everyday life  
SCI.2 (b) Level 1 Internal 4 credits

or  
Demonstrate understanding of aspects of electricity and magnetism  
PI.3 (b) Level 1 External 4 credits

Investigate the implication of wave behaviour in everyday life  
SCI.3 (b) Level 1 Internal 4 credits

or  
Demonstrate understanding of aspects of wave behaviour  
PI.4 (b) Level 1 External 4 credits

Investigate the implication of heat in everyday life  
SCI.4 (b) Level 1 Internal 4 credits

or  
Demonstrate understanding of aspects of heat  
PI.5 (b) Level 1 External 4 credits

Carry out a practical investigation, with direction, that leads to a linear mathematical relationship  
PI.1 (b) Level 1 Internal 4 credits

Demonstrate understanding of the physics of an application

PI.2 (a) Level 1 Internal 2 credits

### PX200

#### Physics

NCEA Level 2 (course endorsement available)

This course is important for students interested in studying sciences, engineering or electronics and those who are interested in careers as pilots, vets and in medicine. It is suitable for students who have successfully studied physics at NCEA Level 1 who are confident users of maths tools such as algebra and graphing. Both theoretical and practical work is included, with students focusing particularly on waves, nuclear physics, mechanics and electromagnetism.

Take measurements of physical quantities and analyse data graphically to determine a relationship  
AS90252 Level 2 Internal 4 credits

Use graphical analysis to determine simple non-linear physical relationships  
US6386 Level 2 Internal 3 credits

Demonstrate understanding of waves.  
AS90254 Level 2 External 4 credits

Demonstrate knowledge of waves  
US6382 Level 2 Internal 4 credits

Demonstrate knowledge of reflection and refraction of light  
US8768 Level 2 Internal 4 credits

Demonstrate understanding of mechanics.  
AS90255 Level 2 External 6 credits

Demonstrate knowledge of motion in one and two dimensions  
US6378 Level 2 External 5 credits

Demonstrate knowledge of energy, momentum and equilibrium  
US6379 Level 2 Internal 4 credits

Apply formulae, graphical and vectorial methods to find unknowns for a physical system

US6380      Level 2      Internal      4 credits

Demonstrate an understanding of atoms and radioactivity

AS90256      Level 2      External      2 credits

Demonstrate knowledge of elementary nuclear physics and radioactivity

US6387      Level 2      Internal      2 credits

Demonstrate understanding of electricity and electromagnetism

AS90257      Level 2      External      5 credits

Describe, construct and determine unknowns for electrical systems

US8769      Level 2      Internal      4 credits

Describe and determine unknowns for electromagnetic systems

US8770      Level 2      Internal      2 credits

Demonstrate understanding of physics in an Integrated context

AS90258      Level 2      Internal      3 credits

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## PH300

### Physics

NCEA Level 3 (course endorsement available)

This is a full pre-university course in physics. It is particularly suitable for students interested in studying sciences, engineering, electronics and similar fields. Practical work and online activities are integral to the course. There is a wide range of topics and standards that students can choose, depending on their goals which can involve traditional exams, internally-assessed tests, practical work and research. Students are advised to discuss their programme with their teacher. The main topics (waves, mechanics and electrical systems) build on understanding developed at level 2, so it is essential that students who intend to study these topics have studied them successfully at NCEA Level 2.

Demonstrate understanding of wave systems

AS90520      Level 3      External      4 credits

Demonstrate understanding of mechanical systems

AS90521      Level 3      External      6 credits

Demonstrate understanding of atoms, photons and nuclei

AS90522      Level 3      External      3 credits

Demonstrate understanding of electrical systems

AS90523      Level 3      External      6 credits

Carry out a practical physics investigation with guidance, that leads to a mathematical relationship

AS90774      Level 3      Internal      5 credits

Analyse the development of a selected area of physics and a physics-based application

US6392      Level 3      Internal      2 credits

Carry out a practical investigation of a physics-based application with guidance

US6394      Level 3      Internal      3 credits

Use graphical analysis to determine non-linear physical relationships

US6395      Level 3      Internal      4 credits

Demonstrate knowledge of units and notation in science

US9183      Level 3      Internal      3 credits

Demonstrate knowledge of, and determine unknowns for, wave systems

US6391      Level 3      Internal      4 credits

Describe and discuss models of atomic systems

US6396      Level 3      Internal      3 credits

Demonstrate knowledge of circular, rotational, and simple harmonic motion

US6397      Level 3      Internal      6 credits

Describe and determine unknowns for direct current electrical systems

US6389      Level 3      Internal      2 credits

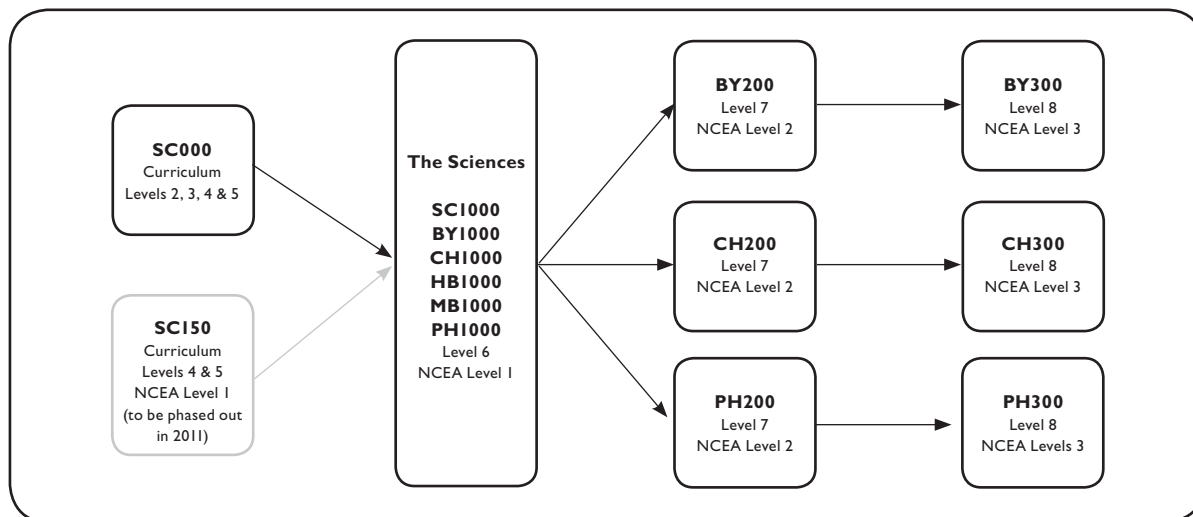
Describe and determine unknowns for alternating current electrical systems

US6390      Level 3      Internal      4 credits

# Science

## Te Mātauranga Pūtaiao

Have you thought about why you need to eat, or why cars rust, or how batteries produce electrical energy or why clouds produce rain? Science helps you discover answers to such questions. So many things are based on science, and students can explore not just the world of living things, but all types of substances and how they react, while gaining an understanding of concepts, such as force and energy, that affect the Earth and space.



### SC000

#### Introducing Science

Curriculum Level 2

This course is aimed at students who are studying at curriculum levels 2–5 in Years 9+. It offers a flexible programme and a wide variety of science topics which build skills and understanding. There are topics related to the nature of science and all of the main science areas: the living world, the material world (chemistry), the physical world, and planet Earth and beyond. Space, electrical circuits, forces, acids and bases and how your body works are just some of the topics. The course includes hands-on experimental work, computer-based activities and research investigations. Students can progress on this course, year by year, up to curriculum level 5. When they have studied a range of topics at curriculum level 5 they will be well prepared for NCEA study of the sciences.

number of possible credits available in the course may be limited.

Demonstrate knowledge of the characteristics of living things, organs and organ systems

US18969 Level 1 Internal 2 credits

Demonstrate knowledge of cells, reproduction, and inheritance

US18971 Level 1 Internal 2 credits

Demonstrate knowledge of matter

US18973 Level 1 Internal 2 credits

Demonstrate knowledge of chemical change

US18974 Level 1 Internal 2 credits

Demonstrate knowledge of science in sport

US18975 Level 1 Internal 2 credits

Demonstrate knowledge of science in relation to a vehicle

US18976 Level 1 Internal 2 credits

Demonstrate basic knowledge of weather

US18981 Level 1 Internal 2 credits

Demonstrate knowledge of Earth science

US18982 Level 1 Internal 2 credits

### SCI50

#### Everyday Science

NCEA Level 1 (course endorsement not available)

This course is aimed at students aged 15+ who are not yet working at curriculum level 6 but who want to gain NCEA credits in science. Due to changes in national assessments, this course will not be available after 2011. In 2011 students on SCI50 will be encouraged to progress to studying Science at curriculum level 6 and therefore the

**SCI000****Science**

NCEA Level 1 (course endorsement available)

Science is about your world, your body and your life. Studying the sciences at Te Kura opens the door to a huge range of possible careers and will give you life skills for the 21st century. Whether your intended career is a motor mechanic, a dentist, a rocket scientist or a supermarket manager, your level 1 sciences will be relevant and useful. In one year students normally study for standards offering 18–20 credits from a menu of 31 possible standards.

Pre-enrolment advice is available from a science 1000 brochure, a diagnostic questionnaire and from Te Kura science teachers. These will suggest learning resources and appropriate standards which match students' interests. There is a wide range of standards which allow a student to study different aspects of science. For SCI000 students who wish to keep their options open for studying science at Level 2, a sequence of standards which offer Traditional Academic General Science (TAGS) is possible. An internals-only 'Science for You' pathway is also available for SCI000 students who do not intend to continue studying science beyond year 11. When they enrol, students will be invited to indicate a preferred first interest area after which their science teacher will support their choices to ensure that they study an appropriate range of standards which involve the nature of science, the physical world, the material world, the living world and planet Earth and beyond. These will match each students' skills and interests to the learning resources and modes of assessment. Students who are committed to a science-related career should consider choosing an additional NCEA level 1 specialist science course. The course includes hands-on experimental work, computer-based activities and research investigations. It provides a good preparation for study of the sciences at NCEA level 2.

Demonstrate understanding of aspects of mechanics

SCI.1 (b) Level 1 External 4 credits

Investigate the implication of electricity and magnetism in everyday life

SCI.2 (b) Level 1 Internal 4 credits

Investigate the implication of wave behaviour in everyday life

SCI.3 (b) Level 1 Internal 4 credits

Investigate the implication of heat in everyday life

SCI.4 (b) Level 1 Internal 4 credits

Demonstrate an understanding of aspects of acids and bases

SCI.5 Level 1 External 4 credits

Investigate the implications of the use of carbon compounds as fuels

SCI.6 Level 1 Internal 4 credits

Investigate the implications of the properties of metals to their use in society

SCI.7 Level 1 Internal 4 credits

Investigate selected chemical reactions

SCI.8 Level 1 Internal 4 credits

Demonstrate understanding of biological ideas relating to genetic variation

SCI.9 (a) Level 1 External 4 credits

Investigate life processes and environmental factors that affect them

SCI.10 Level 1 Internal 4 credits

Investigate interactions between humans and micro-organisms

SCI.11 Level 1 Internal 4 credits

Investigate the biological impact of an event on a New Zealand ecosystem.

SCI.12 Level 1 Internal 4 credits

Demonstrate understanding of the formation of surface features in New Zealand

SCI.13 (a) Level 1 Internal 4 credits

Demonstrate understanding of carbon cycling

SCI.14 (a) Level 1 Internal 4 credits

Demonstrate understanding of the effect on planet Earth of astronomical cycles

SCI.15 (a) Level 1 Internal 4 credits

Investigate an astronomical or Earth science event

SCI.16 (a) Level 1 Internal 4 credits

Carry out a practical investigation, with direction, that leads to a linear mathematical relationship

PI.1 (b) Level 1 Internal 4 credits

Demonstrate understanding of the physics of an application

PI.2 (a) Level 1 Internal 2 credits

Demonstrate understanding of aspects of electricity and magnetism

PI.3 (b) Level 1 External 4 credits

**Demonstrate understanding of aspects of wave behaviour**

PI.4 (b) Level I External 4 credits

**Demonstrate understanding of aspects of heat**

PI.5 (b) Level I External 4 credits

**Carry out a practical chemistry investigation, with direction**

CI.1 (b) Level I Internal 4 credits

**Demonstrate understanding of the chemistry in a technological application, with direction**

CI.2 (a) Level I Internal 2 credits

**Demonstrate understanding of aspects of carbon chemistry**

CI.3 Level I External 4 credits

**Demonstrate understanding of aspects of selected elements**

CI.4 Level I External 4 credits

**Demonstrate understanding of aspects of chemical reactions**

CI.5 Level I External 4 credits

**Carry out a practical investigation in a biology context**

BI.1 (b) Level I Internal 4 credits

**Report on a biological issue**

BI.2 (a) Level I Internal 3 credits

**Demonstrate understanding of biological ideas relating to micro-organisms**

BI.3 (a) Level I External 4 credits

**Demonstrate understanding of biological ideas relating to the life cycle of flowering plants**

BI.4 (a) Level I External 4 credits

**Demonstrate understanding of biological ideas relating to a mammal as a consumer**

BI.5 (a) Level I External 3 credits

# Social Studies

## Te Akoranga Tikanga ā-lwi

In social studies students will learn about people, places, cultures, histories and the economic world within and beyond New Zealand. Social studies helps students understand people by exploring different points of view and beliefs. Students are given opportunities to develop communication, critical thinking and decision-making skills. These attributes help students become responsible and informed citizens with the ability to analyse the world that surrounds them. Student programmes will be developed in consultation with the teacher to meet particular needs and interests.

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**SS000****Social Studies**

Curriculum Levels 3, 4 & 5

Why do people behave the way they do, why does one country's culture differ from the next and what is it that makes New Zealand unique? These are just some of the questions explored in this course which investigates issues in society ranging from All Black culture to dictators and democrats. New Zealand topics feature heavily throughout the course with students introduced to the country's history and some of its more enterprising people. There is a global and political focus as well with a look at conservation, civil rights movements, protesters and even pop stars.

# Spanish

## Te Reo Pāniora

Spanish is the third most widely spoken language and is used by over 400 million people in Spain and both South and North America. By studying Spanish, students will gain insight into a rich history that has spanned the globe, not to mention a variety of cultures and societies. Indeed, many New Zealanders are choosing to learn Spanish for its importance as both a commercial and cultural language.

### PYSP

#### Spanish – online

Curriculum Level 1

PYSP is a year 7 Spanish course available only as an online course. It is a taster course which introduces basic communication in Spanish. In the course you will learn how to greet people, how to ask where someone is from, how to talk about your family, and how to ask about and give the time as well as other everyday topics. The activities online are interactive. This course is only available to full-time years 7 and 8 students.

### SPI000

#### Spanish

NCEA Level 1 (course endorsement available)

This course develops the four main language skills: listening, speaking, reading and writing. You will hear and learn the Spanish language as it is spoken in both Spain and Latin America. Throughout the course the style remains conversational and learning is set to a backdrop of realistic and everyday situations. From introducing yourself to describing your family and friends, this course will provide you with the ability to converse socially in basic Spanish. Other topics covered include holidays and travel, school life as well as sports and leisure activities.

Demonstrate understanding of a variety of spoken Spanish texts relating to area of most immediate relevance

1.1                      Level 1                      External                      5 credits

Give a spoken presentation in Spanish that communicates a personal response

1.2                      Level 1                      Internal                      4 credits

Demonstrate understanding of a variety of written/visual Spanish texts relating to areas of most immediate relevance

1.4                      Level 1                      External                      5 credits

Write a variety of text types in Spanish on areas of most immediate relevance

1.5                      Level 1                      Internal                      5 credits

### SP220

#### Spanish

NCEA Level 2 (course endorsement available)

Over this course you will learn how to use Spanish vocabulary, structures and functions to communicate a wide range of language, for varying situations. Students will further their basic Spanish skills and be able to talk about a wide range of events, express their opinions and make comparisons and contrasts. In turn, they will gain the necessary ability to give instructions and make suggestions, and will extend their knowledge on how to use and distinguish between past, present and future tenses.

Listen to and understand spoken language in Spanish in less familiar contexts

AS90426                      Level 2                      External                      6 credits

Give a prepared spoken presentation in Spanish on a less familiar topic

AS90427                      Level 2                      Internal                      3 credits

Converse in Spanish in a less familiar context

AS90428                      Level 2                      Internal                      3 credits

Read and understand written language in Spanish in less familiar contexts

AS90429                      Level 2                      External                      6 credits

Write text in Spanish on a less familiar topic

AS90430                      Level 2                      External                      3 credits

Produce crafted writing in Spanish on a less familiar topic, with the support of resources

AS90431                      Level 2                      Internal                      3 credits

Describe and compare aspects of Hispanic cultures

US12176                      Level 2                      Internal                      2 credits

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**SP300****Spanish**

NCEA Level 3 and Scholarship  
(course endorsement available)

Having an understanding of the cultures that surround a language is integral to communicating. This course focuses on authentic Spanish for conversation in a variety of situations in both Latin America and Spain. Throughout there will be many opportunities to speak Spanish, and language skills will also be furthered through exercises in listening for understanding, interest and enjoyment, along with reading and writing work that will develop an appreciation for both the language and the culture.

**Listen to and understand complex spoken Spanish in less familiar contexts**

AS90588      Level 3      External      6 credits

**Give a prepared speech in Spanish using complex language**

AS90589      Level 3      Internal      3 credits

**Converse in Spanish using complex language in less familiar contexts**

AS90590      Level 3      Internal      3 credits

**Read and understand written Spanish, containing complex language, in less familiar contexts**

AS90591      Level 3      External      6 credits

**Write text in Spanish using complex language on a less familiar topic**

AS90592      Level 3      External      3 credits

**Write crafted text in Spanish, using complex language, with the support of resources**

AS90593      Level 3      Internal      3 credits

**Examine and discuss selected Hispanic social issues and cultural aspects**

US12186      Level 3      Internal      2 credits

# Special Education Programme

## Te Akoranga Motuhake

Many students studying with us have special teaching needs and require significant adaption of the curriculum. We therefore design a programme to match the needs, interests and context of the individual. We aim to meet their long and short-term goals. Courses are offered in all subject areas at level 1 of the curriculum. For secondary and adult students there is also a curriculum level 2 course which focuses on life skills and transition to work experience. Special Education courses are open to all students in the compulsory education years and to adults. Early childhood students with special teaching needs are enrolled and taught by our Early Childhood Service.

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### SEART

#### Special Education Visual Art

Curriculum Level 1

This course encourages students to explore the four disciplines of visual art, music, dance and drama. In visual art, students will use a variety of techniques and materials. They will explore art and design in their environment and in their daily lives. Topics include collage, mosaic, sewing, creative gifts, decorations and wearable art. In music, students will listen and respond to a broad range of sounds, music and visual images. They will share ideas about sound and music in everyday life and explore ways to create and represent sound.

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### SEENG

#### Special Education English

Curriculum Level 1

A broad course that covers all major areas of the English curriculum at Curriculum Level 1. This includes developing literacy, listening and speaking, along with teaching students how to view and present work. Students will take part in a range of learning activities, and each programme is designed to meet the specific learning needs and interests of the individual.

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### SEHPE

#### Special Education Health and PE

Curriculum Level 1

This course is designed to help develop students' abilities in the area of health and physical education. Four main topics are covered, based on social interactions, keeping ourselves safe, physical development and general physical education.

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### SEMAS

#### Special Education Maths

Curriculum Level 1

This special education programme offers both Curriculum Level 1 studies and topics for emerging Level 1 students. Emerging Level 1 covers basic concepts of colour, shapes, size and position, while the Curriculum Level 1 topics explore the main areas of mathematics and statistics including numeracy stages 0–4, algebra, geometry and measurement.

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### SESCI

#### Special Education Science

Curriculum Level 1

This course is designed to help develop early scientific understandings and competencies. Learning is based on practical activities, and students are encouraged to ask questions, investigate, test ideas and communicate their observations about the natural, physical and material worlds and the universe beyond. Students will be introduced to a diverse range of scientific subjects and how they relate to the everyday world, from outer space and dinosaurs through to shadows, insects and chemistry in the kitchen. There are 30 topics based on the four science curriculum strands.

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### SESST

#### Special Education Social Studies

Curriculum Level 1

This course looks at various social contexts both past and present, from New Zealand and the world. The topics covered are designed to encourage and develop skills of questioning, gathering and presenting information. The four main areas investigated are: identity, culture and organization; place and environment; continuity and change; and the economic world.

**SETEC****Special Education Technology**

## Curriculum Level 1

With a wide variety of topics, this course will help build knowledge and confidence to use everyday technology, and allow students to participate in a constantly changing world. Throughout the course students will partake in a range of practical work from cooking pikelets to sending messages. Other topics include making your own book, posting a parcel and framing.

**SELS****Special Education Life Skills Supported Learning Standards**

## Curriculum Level 1

The supported learning standards are intended for students working at level 1 of the curriculum, requiring a supported learning situation with the aim of achieving a National Certificate in Work and Community Skills (40 credits). Throughout this course, students can gain skills and knowledge in areas such as personal care, perceptual and body awareness, social situations as well as topics surrounding work and the community. Students must have the support of a teacher aide who acts as the verifier for the assessments.

Select and wear clothes for different occasions and identify need to care for clothes, in a supported learning context

USI 1877      Level 1      Internal      1 credits

Identify and locate organs in the human body, in a supported learning context

USI 1854      Level 1      Internal      2 credits

Identify traditional occasions in own family, in a supported learning context

USI 1921      Level 1      Internal      2 credits

Answer a phone call and refer a phone call, in a supported learning context

USI 1867      Level 1      Internal      2 credits

Make phone calls, in a supported learning context

USI 1869      Level 1      Internal      1 credits

Demonstrate functional knowledge of measuring weight, in a supported learning context

USI 1893      Level 1      Internal      3 credits

Purchase goods in a shop, in a supported learning context

USI 1876      Level 1      Internal      1 credits

Demonstrate functional knowledge of measuring length, in a supported learning context

USI 1891      Level 1      Internal      3 credits

Prepare and serve a light meal, in a supported learning context

USI 1882      Level 1      Internal      4 credits

Demonstrate knowledge of personal hygiene, in a supported learning context

USI 1861      Level 1      Internal      3 credits

Make deposits into and withdrawals from own bank account, in a supported learning context

USI 1889      Level 1      Internal      2 credits

Demonstrate functional knowledge of measuring time, in a supported learning context

USI 1894      Level 1      Internal      4 credits

Participate in the powhiri process in a supported learning context

USI 1923      Level 1      Internal      3 credits

Use a calculator to assist with functional numeracy, in a supported learning context

USI 1890      Level 1      Internal      2 credits

Cross roads safely, in a supported learning context

USI 1865      Level 1      Internal      4 credits

Demonstrate knowledge of self-care for minor illness or condition, and injury, in a supported learning context

USI 1860      Level 1      Internal      2 credits

Identify and use numbers one to ten in everyday life, in a supported learning context

USI 1897      Level 1      Internal      2 credits

Identify and use numbers ten to one hundred in everyday life, in a supported learning context

USI 1898      Level 1      Internal      3 credits

Grow and care for plants, in a supported learning context

USI 1879      Level 1      Internal      2 credits

Produce, save, and print a text document on a computer, in a supported learning context

USI 1900      Level 1      Internal      4 credits

Receive, record, and deliver messages, in a supported learning context

USI 1914      Level 1      Internal      2 credits

Use a calendar, in a supported learning context

USI 1896      Level 1      Internal      2 credits

**Handle money, in a supported learning context**

US11888      Level 1      Internal      3 credits

**Clarify and follow received instructions, in a supported learning context**

US11918      Level 1      Internal      2 credits

**Demonstrate knowledge of friendships or relationships, in a supported learning context**

US20075      Level 1      Internal      3 credits

# Te Ara Hou Integrated Programme

## Te Ara Hou

Integrated studies for Years 7–10 students.

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**IntGR8****Te Ara Hou**

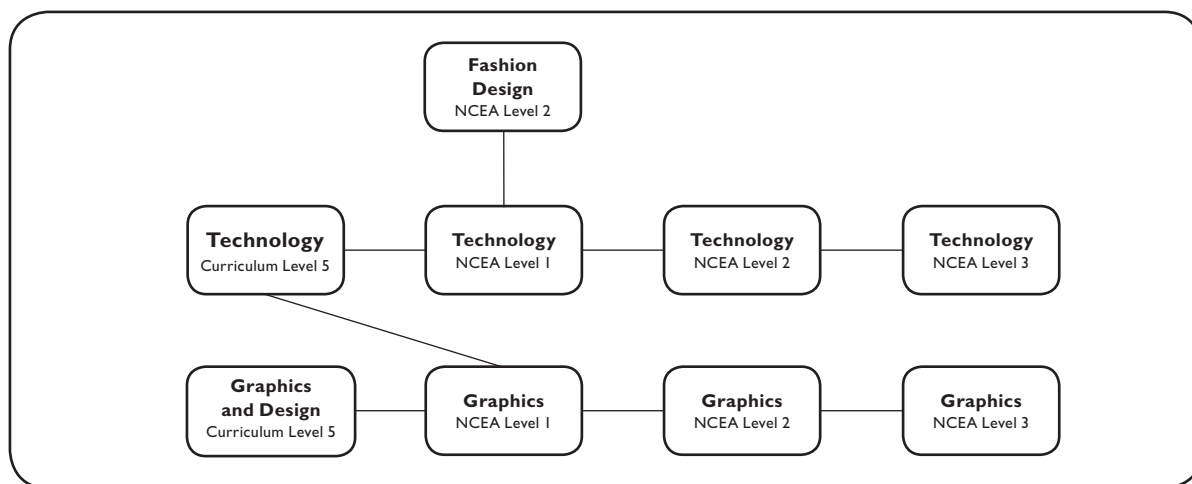
Curriculum Levels 2–5

Te Ara Hou (meaning ‘new pathway’) is the learning programme for Years 7–10, fulltime students at Te Kura. The programme provides personalised learning that is based on students’ needs, interests and goals. It does this by offering a high level of support to students from a dedicated learning advisor who stays with the student as they progress through years 7 to 10. The stable relationship and regular contact between home and school is vital to a successful teaching and learning environment in the middle school years. Te Ara Hou is based on thematic units of work that last a term. A feature of the units is the curriculum integration, or connecting of subjects to provide balanced and fun learning. The range of topics covered means students get involved in authentic and meaningful experiences that are often hands-on. Support from their learning advisor is just a phone call/email away.

# Technology

## Te Mātauranga Hangarau

Technology is intervention by design. In technology, students design and develop products, systems or environments to meet peoples' varying needs. Students mix knowledge, skills and resources to solve practical problems creatively. The main technological areas are: food technology, materials technology including textiles, information and communication technology, structures and mechanisms, production and process technology and biotechnology. Students research, plan and generate ideas for possible outcomes. They develop their own concepts and evaluate the outcomes. Using materials and construction techniques students create practical outcomes. As students explore the nature of technology they have the opportunity to look at how technology impacts on the environment and society. They are encouraged to consider the history and imagine the future of technology.



### TE000

#### Technology

Curriculum Level 5

This is an exciting course that offers students the opportunity to research and plan practical projects and develop skills to solve practical problems. Students choose from topics that cover six technological areas including biotechnology, food and material technology as well as design. Other topics include ICT, structures and mechanisms, electronics and control. Topics give students the necessary knowledge to complete such projects as designing a cover, creating a snack, using textiles and harnessing wind to power an object.

practice, apply their technological knowledge and find out about the nature of technology in their selected field. Students can choose to investigate a range of scenarios which might be linked to transportation, clothing, fashion, lighting and storage for example. Other topics offered include movable items like toys, house and garden items that are used for fun and function, the sharing of food and advertising events using a range of media. Please check the Te Kura website for new technology options available at the beginning of term 2 2011. These will include materials technology, fashion design and food technology.

Develop an outcome through technological practice to address a given brief

AS90045      Level 1      Internal      6 credits

Formulate a brief to address a given issue

AS90046      Level 1      Internal      6 credits

Develop an outcome by widening the use of an existing technology

AS90047      Level 1      Internal      6 credits

Develop a means for ongoing production of an outcome developed through technological practice

AS90048      Level 1      Internal      6 credits

### TE100

#### Technology

NCEA Level 1 (course endorsement available)

TE100 offers students the opportunity to work in an area that interests them. This could be in food technology, materials and textiles or structures and mechanisms. Students are encouraged to plan and work with materials of their choice to help solve a variety of problems. Throughout the course students develop their technological

Demonstrate understanding of technological knowledge

AS90049 Level 1 External 4 credits

Present an outcome developed through technological practice that addresses the requirements of a brief

AS90050 Level 1 Internal 4 credits

Interpret a design brief, and select and present information for solutions

US7485 Level 1 Internal 3 credits

Use the design process to solve design problems

US7487 Level 1 Internal 3 credits

Use a model to communicate design ideas

US7506 Level 1 Internal 3 credits

## TE200

### Technology

NCEA Level 2 (course endorsement available)

In TE200 students explore, design and develop a technological solution to an authentic problem, need or opportunity. Students are encouraged to work in an area that interests them, which might be related to food technology, materials and textiles or structures and mechanisms. Students can negotiate with their supervisor to work in other technological areas if they have experience or interest in that area. Throughout this course students develop their technological practice, apply their technological knowledge and find out about the nature of technology in their selected field. Previous issues investigated have included specialist equipment for a kiwi fruit farmer, a collapsible display stand for model cars, and a gift for a significant person. Another major part of the overall learning process includes discussion forums online and regular live 'virtual classroom' sessions with small groups of students.

Develop and model a conceptual design in food technology

AS90341 Level 2 Internal 6 credits

Develop and model a conceptual design in information and communication technology

AS90342 Level 2 Internal 6 credits

Develop and model a conceptual design in structures and mechanisms

AS90344 Level 2 Internal 6 credits

Develop and implement a one-off solution in food technology

AS90348 Level 2 Internal 6 credits

Develop and implement a one-off solution in information and communication technology

AS90349 Level 2 Internal 6 credits

Develop and implement a one-off solution in materials technology

AS90350 Level 2 Internal 6 credits

Develop and implement a one-off solution in structures and mechanisms

AS90351 Level 2 Internal 6 credits

Develop a means for multi-unit production of a technological outcome

AS90352 Level 2 Internal 6 credits

Inform own technological practice through the characterisation of an existing production process

AS90360 Level 2 External 4 credits

Examine technological knowledge in food technology practice

AS90365 Level 2 External 4 credits

Demonstrate skills in food technology

AS90366 Level 2 Internal 4 credits

Examine technological knowledge in information and communication technology practice

AS90367 Level 2 External 4 credits

Demonstrate skills in information and communication technology

AS90368 Level 2 Internal 4 credits

Examine technological knowledge in materials technology practice

AS90371 Level 2 External 4 credits

Demonstrate skills in materials technology

AS90372 Level 2 Internal 4 credits

Examine technological knowledge in structures and mechanisms practice.

AS90373 Level 2 External 4 credits

Explain how technological practice is influenced by responsibilities to the wider community.

AS90773 Level 2 External 4 credits

**TE300****Technology**

NCEA Level 3 and Scholarship  
(course endorsement available)

At NCEA Level 3, students explore real needs and opportunities important to them and their community and then design, develop and produce their own technological solutions. Throughout this course they will further advance their technological practice, apply their technological knowledge and critically analyse the nature of technology in their selected field. This course will challenge students to work through the entire technological process from concept to completion. This involves formulating a brief, using planning to develop and model a conceptual design to address the client's issue, and then implementing this to provide a solution. Another major part of the overall learning process includes regular discussion forums online and regular 'virtual classroom' sessions with small groups of students.

**Develop a conceptual design to address a client issue**

AS90613      Level 3      Internal      8 credits

**Develop a one-off solution to address a client issue**

AS90620      Level 3      Internal      8 credits

**Develop a proposal for a production process for a client**

AS90792      Level 3      Internal      6 credits

**Describe technologists responsibilities to the wider community**

AS90676      Level 3      External      4 credits

**Analyse an existing multi-unit production process**

AS90677      Level 3      External      4 credits

**Explain knowledge that underpins a food technology outcome**

AS90682      Level 3      External      4 credits

**Demonstrate techniques in food technology**

AS90683      Level 3      Internal      4 credits

**Explain knowledge that underpins an information and communication technology outcome**

AS90684      Level 3      External      4 credits

**Demonstrate techniques in information and communication technology**

AS90685      Level 3      Internal      4 credits

**Explain knowledge that underpins a materials technology outcome**

AS90686      Level 3      External      4 credits

**Demonstrate techniques in materials technology**

AS90687      Level 3      Internal      4 credits

**Explain knowledge that underpins a structures and/or mechanisms technology outcome**

AS90688      Level 3      External      4 credits

# Te Reo Māori

## Te Reo Māori

Māori is one of the official languages of New Zealand and an integral part of the country's culture. There are numerous reasons to learn Māori, from personal enjoyment to career requirements. Whatever it may be, learning Māori will not only provide great satisfaction but a greater connection with New Zealand and an enhanced understanding of our culture and society.

### PYTREO

#### Ka Mau Te Wehi

Curriculum Levels 1 & 2

PYTREO is a year 7 Te Reo Māori course called Ka Mau Te Wehi. It is offered as an online course or as a DVD/Audio CD booklet course. It is a taster course that introduces Te Reo Māori with short videos of everyday situations. In the course you will learn how to greet people, how to introduce people, how to express likes, how to count in Māori, how to talk about time and to ask where something is as well as other everyday topics

### MA000

#### Beginners Te Reo Māori

Curriculum Levels 1–5

This course will teach you basic greetings and everyday words and phrases. You will have the opportunity to develop an awareness of Māori culture and concepts, while focusing on developing your language skills through oral and some written activities. This course offers those with no previous formal study of Māori to learn basic pronunciation skills and grammar involved in the language. The work is centred round a range of themes that include the haka and Māori legends, along with family concepts such as those of whānau and whakapapa.

The second part of the course provides an intermediate language programme that extends listening, speaking, reading and writing skills. Another important feature of this course is the focus on Māori culture and protocol, and the knowledge students gain from these areas will also help to further their language skills.

### MA1000

#### Te Reo Māori

NCEA Level 1

A range of themes are integrated into this course and students will practise listening, speaking, reading and writing Māori within these contexts. They cover numerous aspects of everyday life including runaruna (hobbies), kai (food) and tāngata rongonui (famous people). In keeping with Māori tradition, students will explore the concepts of tūrangawaewae (place of origin), as well as Māori protocols and issues surrounding technology and personal health. This is an online course that consists of three modules. Students need a computer with internet access and broadband. If a student does not have internet access please contact the senior teacher for alternatives.

Whakarongo kia whai māramatanga i te reo o tōna mōhio

1.1 (a) Level 1 Internal 6 credits

Whakaputa kōrero i te reo o tōna ao mōhio

1.2 (a) Level 1 Internal 6 credits

Pānui kia whai māramatanga i te reo o tōna ao mōhio

1.3 (a) Level 1 External 6 credits

Tuhi kōrero i te reo o tōna ao mōhio

1.4 (a) Level 1 External 6 credits

Whakamahi rauemi hei hanga tuhinga i te reo o tōna ao mōhio

1.5 (a) Level 1 Internal 6 credits

**MA200****Te Reo Māori**

NCEA Level 2 (course endorsement available)

A range of themes are integrated into this course and students will practise listening, speaking, reading and writing Māori within these contexts. They cover a range of aspects of everyday life from family relationships to sport and leisure and maintaining a healthy lifestyle. There is also an investigation of a range of issues relevant to the modern world, with a particular Māori perspective, such as the media, arts and crafts and Te Tiriti o Waitangi (The Treaty of Waitangi). Throughout this, students will consolidate their te reo skills while gaining further understanding of Māori culture and life in New Zealand.

**Kōrero i te reo tōna ao mōhio**

AS90440 (e) Level 2 Internal 6 credits

**Pānui i te reo o tōna ao mōhio**

AS90441 (e) Level 2 External 6 credits

**Whakarongo i te reo o tōna ao mōhio**

AS90449 (e) Level 2 Internal 4 credits

**Hanga tuhinga i te reo o tōna ao mōhio**

AS90757 (e) Level 2 Internal 4 credits

**Tuhituhi i te reo o tōna ao mōhio**

AS90770 (e) Level 2 External 4 credits

**MA350****Te Reo Māori**

NCEA Level 3 and Scholarship  
(course endorsement available)

This course focuses on increasing Te Reo Māori communication skills, and it provides many opportunities for students to learn and practise the language in a range of situations. Through a wide range of texts, students will develop both their reading and writing abilities in te reo, and be challenged to discuss issues from a Māori perspective. In turn there is a strong focus on being able to understand and produce Māori texts, and relate them to personal, political, historical and cultural situations.

**Whakarongo i te reo o te ao whānui**

AS90542 (e) Level 3 Internal 4 credits

**Kōrero i te reo o te ao whānui**

AS90543 (e) Level 3 Internal 6 credits

**Pānui kia whai māramatangai te reo o te ao whānui**

AS90781 (e) Level 3 External 3 credits

**Whakaoti tuhinga ōkawa i te reo o te ao whānui**

AS90782 (e) Level 3 External 4 credits

**Hanga tuhinga auaha i te reo o te ao whānui**

AS90783 (e) Level 3 Internal 4 credits

**Pānui kia wetewete i te reo o te ao whānui**

AS90784 (e) Level 3 External 3 credits

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